



U.S. Department  
of Transportation

National Highway  
Traffic Safety  
Administration

400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

\*\*\*    \*\*\*    \*\*\*



AUTO SAFETY HOTLINE  
(800) 424-9393  
Wash. D.C. Area 366-0123

**TRANSPORTATION SCIENCES CENTER  
ACCIDENT RESEARCH GROUP**

**Calspan SRL Corporation  
Buffalo, New York 14225**

**CALSPAN ON-SITE CHILD SAFETY SEAT CRASH INVESTIGATION**

**CALSPAN CASE NO. 94-22**

**VEHICLE #1 - 1993 OLDSMOBILE CUTLASS SUPREME  
VEHICLE #2 - 1994 FREIGHTLINER TRACTOR/SEMI-TRAILER**

**LOCATION - STATE OF NEW YORK**

**CRASH DATE - [REDACTED], 1994**

**Contract No. DTNH22-94-D-07058**

**Prepared for:**

**U.S. Department of Transportation  
National Highway Traffic Safety Administration  
Washington, D.C. 20590**



## **DISCLAIMER**

This document is disseminated under the sponsorship of the Department of Transportation in the interest of information exchange. The United States Government assumes no responsibility for the contents or use thereof.

The opinions, findings, and conclusions expressed in this publication are those of the authors and not necessarily those of the National Highway Traffic Safety Administration.

The crash investigation process is an inexact science which requires that physical evidence such as skid marks, vehicular damage measurements, and occupant contact points are coupled with the investigator's expert knowledge and experience of vehicle dynamics and occupant kinematics in order to determine the pre-crash, crash, and post-crash movements of involved vehicles and occupants.

Because each crash is a unique sequence of events, generalized conclusions cannot be made concerning the crashworthiness performance of the involved vehicle(s) or their safety systems.

# TECHNICAL REPORT STANDARD TITLE PAGE

1. <i>Report No.</i>	2. <i>Government Accession No.</i>	3. <i>Recipient's Catalog No.</i>	
4. <i>Title and Subtitle</i> Calspan On-site Child Safety Seat Crash Investigation Vehicle #1 - 1993 Oldsmobile Cutlass Supreme Vehicle #2 - 1994 Freightliner Tractor/Semi-trailer Location - State of New York		5. <i>Report Date:</i> ██████████ 1996	
		6. <i>Performing Organization Code</i>	
7. <i>Author(s)</i> Accident Research Group		8. <i>Performing Organization Report No.</i>	
9. <i>Performing Organization Name and Address</i> Transportation Sciences Center Accident Research Group Calspan SRL Corporation P.O. Box 400 Buffalo, New York 14225		10. <i>Work Unit No.</i> ██████████	
		11. <i>Contract or Grant No.</i> DTNH22-94-D-07058	
12. <i>Sponsoring Agency Name and Address</i> U.S. Department of Transportation National Highway Traffic Safety Administration Washington, D.C. 20590		13. <i>Type of Report and Period Covered</i> Technical Report Crash Date: ██████████ 1994	
		14. <i>Sponsoring Agency Code</i>	
15. <i>Supplementary Notes</i> On-site investigation of a five fatal head-on crash between a 1993 Oldsmobile Cutlass Supreme and a 1994 Freightliner tractor pulling a partially loaded semi-trailer. All of the fatalities including a seven month old infant in a child safety seat were occupants of the Oldsmobile.			
16. <i>Abstract</i> <p>This crash involved a head-on impact between a 1993 Oldsmobile Cutlass Supreme (Vehicle #1) and a 1994 Freightliner truck tractor pulling a semi-trailer (Vehicle #2). The crash occurred in March, 1994. Vehicle #1 was traveling east on a two lane, undivided, level, dry, asphalt roadway when it crossed the solid double yellow barrier centerline into the path of Vehicle #2 which was westbound. The driver of Vehicle #2 observed the movement of Vehicle #1 into his lane and attempted to avoid the collision by applying the brakes and steering to the right. Vehicle #2 skidded approximately 15 m (49') prior to the point of impact (POI). There were no skid marks attributed to Vehicle #1.</p> <p>Vehicle #1 rotated counterclockwise and was pushed rearward approximately 41 m (135') where it came to the final rest position (FRP) on the north shoulder and adjacent grass area facing south. Vehicle #2 jackknifed in a clockwise direction and departed the right side of the roadway coming to rest partially on the grass. Vehicle #1 sustained a maximum crush of 88.3 cm (34.8") to the right front bumper with extensive damage to the exterior and interior components. Vehicle #2 sustained moderate damage.</p> <p>The unrestrained thirty-five year old male driver of Vehicle #1 was pronounced dead at the scene and had to be extricated from the vehicle. A seven month old male (son) secured in a forward facing Century 300 child safety seat in the right front seat was also pronounced dead at the scene. The right rear passenger, an eight year male (son) who was not restrained, was standing along the side of the right front seat back rest prior to the crash. He was partially ejected through the right front window area. He was pronounced dead at the scene.</p> <p>The center rear passenger, a six year male (son), was removed by police personnel who cut his restraint belt. He was transported to a hospital where he was pronounced DOA. The left rear passenger, a three year old male (son), was restrained by the lap portion of the lap and shoulder belt. He was also removed by the police who cut his restraint belt and transported to a pediatric hospital via air flight. He expired five hours later.</p>			
17. <i>Key Words</i> Head-on impact AIS-5 level injury Tractor/Semi-trailer Forward facing child safety seat		18. <i>Distribution Statement</i> General Public	
19. <i>Security Classif. (of this report)</i> Unclassified	20. <i>Security Classif. (of this page)</i> Unclassified	21. <i>No. of Pages</i>	22. <i>Price</i>

## **TABLE OF CONTENTS**

Summary . . . . .	1
Scene Schematic . . . . .	4
Crash Data . . . . .	5
Ambience . . . . .	5
Highway . . . . .	5
Traffic Controls . . . . .	6
Vehicle #1 Description . . . . .	6
Vehicle #2 Description . . . . .	6
Vehicle #1 Damage . . . . .	7
Vehicle #1 CDC . . . . .	8
Vehicle #2 Damage . . . . .	9
Vehicle #2 CDC . . . . .	9
Vehicle Velocity Estimates . . . . .	10
Collision Sequence . . . . .	10
Human Factors/Occupant Data . . . . .	12
Injury Data - Driver of Vehicle #1 . . . . .	13
Injury Data - Right Front Occupant . . . . .	15
Injury Data - Left Rear Occupant . . . . .	16
Injury Data - Center Rear Occupant . . . . .	18
Injury Data - Right Rear Occupant . . . . .	19
Injury Data - Driver of Vehicle #2 . . . . .	20
Occupant Kinematics . . . . .	20
Child Safety Seat . . . . .	22
Appendix A: Selected Prints . . . . .	A-1
Appendix B: SMASH Speed Reconstruction Program Output . . . . .	B-1

# **CALSPAN ON-SITE CHILD SAFETY SEAT CRASH INVESTIGATION**

**CALSPAN CASE NO. 94-22**

**VEHICLE #1 - 1993 OLDSMOBILE CUTLASS SUPREME  
VEHICLE #2 - 1994 FREIGHTLINER TRACTOR/SEMI-TRAILER**

**LOCATION - STATE OF NEW YORK**

**CRASH DATE - [REDACTED] 1994**

The National Highway Traffic Safety Administration (NHTSA) was notified by the Special Crash Investigation Team at Calspan SRL Corporation of a passenger automobile/truck tractor semi-trailer head-on crash where all five occupants in the automobile sustained fatal injuries. The right front occupant in the automobile, a seven month old male infant, was seated in a forward facing child safety seat which was secured by the available three point automatic lap and shoulder belt in the right front seat. Notification of the crash was sent to NHTSA the following day and the Calspan Team initiated an on-site investigation the same day. The primary focus of the case involved the circumstances leading to the demise of the right front occupant in the automobile.

The vehicle was impounded by the police after the crash and later towed to a vehicle service garage for this inspection. Representatives from General Motors Corporation, the insurance company, the legal council for the surviving family, the New York State DOT, and the investigating police agency convened at the same time to inspect Vehicle #1.

## **SUMMARY**

This crash involved a head-on impact between a 1993 Oldsmobile Cutlass Supreme (Vehicle #1) and a 1994 Freightliner truck tractor pulling a semi-trailer (Vehicle #2). The crash occurred on a day in [REDACTED], 1994 where the weather was clear and the temperature was 2° C (36° F). Vehicle #1 was traveling east on a two lane, undivided, level, dry, asphalt roadway when it crossed the broken/solid yellow centerline into the path of Vehicle #2 which was westbound. The driver of Vehicle #2 observed Vehicle #1 encroach into his lane and attempted to avoid the collision by applying the brakes and steering to the right. Vehicle #2 skidded approximately 15 m (49') prior to the point of impact (POI). There were no pre-impact tire marks from Vehicle #1.

The point of impact (POI) occurred in the westbound lane and involved the entire frontal plane of both vehicles (i.e., 100 percent overlap). Vehicle #1 sustained a maximum crush of 88.3 cm (34.8") to the right front bumper with extensive damage to exterior and interior components. Crush to the front bumper of Vehicle #2 could not be determined due to component removal prior to the investigation. However, on-scene photographs, indicated the vehicle

sustained an estimated crush extent comparable to an extent zone 1 under the classified Truck Deformation Classification (TDC).

Vehicle #1 rotated counterclockwise and was pushed rearward approximately 41 m (135') where it came to the final rest position (FRP) on the north shoulder and adjacent grass area facing south. Vehicle #2 jackknifed in a clockwise direction and departed the right side of the roadway. The tractor portion of the vehicle traveled along the paved shoulder and came to FRP in the adjacent grass area heading in a northerly direction. The semi-trailer remained attached to the tractor and came to rest with the left rear tires on the westbound travel lane and the right rear tires on the paved shoulder.

The unrestrained driver of Vehicle #1, a thirty-five year old male, was pronounced dead at the scene and had to be extricated from the vehicle. A seven month old male (son) who was seated in the right front seat and restrained in a forward facing Century 300 child safety seat was also pronounced at the scene. The left rear passenger, a three year male (son), was restrained by the lap belt portion of the lap and shoulder belt. He was removed by police personnel who released him from the restraint system by cutting the belt. He was transported to a hospital where he survived for five hours prior to expiring.

The center rear passenger, a six year old male (son), was restrained by the lap belt. He was also removed by the police by cutting the belt. He was transported to a hospital where he was pronounced DOA. The right rear passenger, an eight year male (son), was not restrained and may have been standing up against the right front seat back support prior to the crash. He was partially ejected through the right front window area. He was pronounced at the scene.

Vehicle #2 was a 1994 Freightliner, three axle, ten wheel, truck tractor with 123,288 kilometers (76,610 miles). It was pulling a two axle, eight wheel, 1985 Great Dane 13.5 m (45') semi-trailer which was reportedly partially loaded with paper products. The driver, a 36 year old male, suffered an abrasion of the left leg and reportedly was transported to the hospital from the police station by his supervisor.

Vehicle #1 exited the eastbound travel lane and collided with Vehicle #2 in the center of the westbound lane. At the POI, Vehicle #1's heading angle was estimated at 17° from the eastbound travel lane direction. There was no indication of pre-impact tire skid marks from Vehicle #1 (refer to police on-scene photographs #31 - #38 on pages A-16 through A-19). Vehicle #1 rotated counterclockwise following the POI and was pushed rearward approximately 41 m (135') where it came to the final rest position (FRP) on the north shoulder and grass area facing south.

The driver of Vehicle #2 saw Vehicle #1 encroach into his lane and attempted to avoid the crash by applying the brakes in a panic brake application and steering to the right. Vehicle #2 jackknifed in a clockwise direction and departed the right side of the roadway traveling approximately 30 m (98') from POI to FRP. The driver of Vehicle #2 was sustained an abrasion of his left leg, but declined to be transported from the scene to a medical facility.

Based upon the apparent absence of crash avoidance evidence, the primary cause of the crash was judged to be driver distraction. The seven month old child in the right front seat may have been upset and making a fuss. The driver may have attempted to calm him with a pacifier. A pacifier was found during the vehicle inspection on the floor in front of the right front seat. The driver's efforts were probably unsuccessful, so he directed the right rear occupant to remove his restraint belt and assist him. A witness following directly behind Vehicle #1 indicated she saw arms of the right rear occupant moving around the right front seat back support prior to the crash.

A contributing factor may have been the presence of a garbage truck which was approaching the eastbound lane from a driveway on the south side of the roadway (i.e., from Vehicle #1's right). The truck was located approximately 20 m (65') west of the point of impact (POI). The garbage truck was reportedly stopped and waiting to turn right onto the eastbound travel lane. With the distraction inside Vehicle #1 and the presence of the garbage truck, the driver may have been startled and initiated a sudden left lane change maneuver.

Witnesses in a nearby commercial facility and a passing motorist were the first to render assistance. They used fire extinguishers to put out a fire which was confined to the engine compartment of Vehicle #1.

The local police department was assisted by the State Police in controlling traffic and inspecting the safety equipment on Vehicle #2. The local volunteer fire company responded within minutes of the crash with ambulances and fire rescue vehicles.

CRASH SCENE SCHEMATIC  
CALSPAN CASE NO. 94-22

White roadway  
edgeline

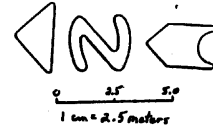
Asphalt shoulder

Gravel shoulder

Right  
trailer  
axle

Left  
trailer  
axle

White roadway  
edge line



Right  
axle  
#2

Left  
axle  
#3

Left  
axle  
#2

Driveway

Gouges

Utility  
pole

Right  
axle  
#2

Driveway

Left front  
axle #1

Right front  
axle #1

N/C

Driveway

Mailbox

Corporate  
sign

Ditch  
0.45 m (1.5')  
deep

Grass

Dry  
level  
asphalt  
roadway  
surface

Asphalt shoulder

<b>CRASH DATA</b>	
Location:	State of New York.
Area/Type:	Rural/commercial.
Investigating Police Agency:	Local police department.
Accident Type:	Head-on crash.
Vehicle#1 Driver Injury Severity:	Critical (AIS-5).
<b>AMBIENCE</b>	
Viewing Conditions:	Daylight.
Weather:	Clear.
Temperature	2° C (36° F).
Road Surface:	Dry asphalt.
<b>HIGHWAY</b>	
Type:	County.
Number Of Lanes:	Two undivided lanes.
Roadway Width:	6.6 m (21.8').
Surface:	Asphalt.
Median:	None.
Edge:	South edge, 1.6 m (5.1') asphalt. North edge, 2.3 m (7.6') asphalt.
Vertical Alignment:	Level.
Horizontal Alignment:	Straight.
Estimated Coefficient Of Friction:	0.7
Traffic Density:	Moderate.



<b>TRAFFIC CONTROLS</b>	
Signals:	None.
Signs:	None.
Markings:	White solid roadway edge line in good condition Broken solid yellow centerline which permitted eastbound passing.
Speed Limit:	89 km/h (55 mph).

<b>VEHICLE #1 DESCRIPTION</b>	
Description:	1993 Oldsmobile Cutlass Supreme, 4 door.
V.I.N.:	1G3WH54T5PD(serial # omitted).
Color:	Tan.
Odometer:	19,300 km (12,000 miles) approximated due to destruction of odometer during the crash.
Engine:	3.1 liter, 6 cylinder.
Transmission:	Automatic.
Steering:	Power steering.
Brakes:	Power assisted four wheel disks.
Padding:	Soft edge steering wheel rim, sunvisor, seats and seat arm rests, roof liner, door panels and arm rest, upper and mid instrument panel.
Active Restraints:	3-point lap and shoulder belts in the out-board rear seating positions, lap belt in the first and second row center seat positions.
Passive Restraints:	3-point door mounted lap and shoulder belts in the out-board front seat positions.
Defects:	None.
Tow Status:	Towed from scene due to damage.

<b>VEHICLE #2 DESCRIPTION</b>	
Description:	1994 Freightliner Truck Tractor pulling a 40' 1985 Great Dane Semi-Trailer which was partially loaded.
V.I.N.:	Freightliner- 1FUYYCYB3RH(serial # omitted). Great Dane- 1GRAA9025FS(serial # omitted).
Color:	Freightliner- White Great Dane- White with red, yellow, and blue stripes.
Odometer:	123,288 km (76,610 miles).
Engine:	Cummins NTC.
Transmission:	Automatic.
Steering:	Power.
Brakes:	Air drum brakes at all axles.
Padding:	Soft edge steering wheel rim, seats, roof liner, and door panels.
Active Restraints:	3-point lap and shoulder belts in the out-board front seat positions.
Passive Restraints:	None
Defects:	None
Tow Status:	Towed from scene due to damage

## **VEHICLE DAMAGE**

### **Vehicle #1**

#### **Exterior:**

The frontal plane of the 1993 Oldsmobile Cutlass Supreme struck the frontal plane of the 1994 Freightliner Truck Tractor pulling a 40' 1985 Great Dane semi-trailer. Direct contact was noted along the entire front including the front bumper surface, grille, and hood area. The front bumper sustained a maximum rearward displacement of 88.3 cm (34.8") at the right front bumper corner. The combined direct and induced damage length measured 110.2 cm (43.4") (refer to photograph #40 on page A-20). Measured crush values are listed below:

Bumper Crush		
$C_1 = 39.0 \text{ cm (15.5")}$	$C_2 = 49.2 \text{ cm (19.4")}$	$C_3 = 60.9 \text{ cm (24.0")}$
$C_4 = 71.1 \text{ cm (28.0")}$	$C_5 = 78.1 \text{ cm (30.7")}$	$C_6 = 88.3 \text{ cm (34.8")}$

Components damaged in the crash included: the front bumper fascia, the grille; the headlight and directional light assemblies; the hood; the front fenders; the radiator; the engine; the roof, the windshield; front suspension, front tires, and all four doors.

**CDC:** 12-FDAA-7

**Repair Cost:** Totaled

### **Vehicle #1 Interior**

Damage to the interior was extensive which was associated with component intrusions and occupant contacts. The engine was displaced rearward and intruded into the occupant passenger compartment (refer to photographs #66, #68 on pages A-33, A-34). The windshield with the exception of a small area at the windshield header was totally separated from the vehicle. Hair (appeared to be eyebrow hair) and tissue transfers were noted forward of the driver's position. The hair was located 34.3 cm (13.5") left of the vehicle centerline and extended 27.9 cm to 38.1 cm (11.0"-15.0") below the windshield header. The tissue transfer was located 25.4 cm to 37.5 cm (10.0"-14.75") left of the centerline (refer to photographs #55, #56 on page A-28).

Hair fibers were present on the forward edge of sunvisor near the outboard hinge located 38.1 cm to 42.5 cm (15.0"-16.75") left of the vehicle centerline and extended from the edge of the sunvisor 13.3 cm (5.25") rearward. Two pens located on the elastic band around the sunvisor were cracked from contact by the driver's head during the crash (refer to photograph #57 on page A-29). A vanity mirror located on the upside of the sunvisor was not cracked. The sunvisor thickness measured 7.9 mm (0.3").

The steering wheel was separated from the steering column at the tilt mechanism as the result of loading by the driver and the rearward movement of the steering column from impact forces. The steering column was rotated 72 degrees vertically and tilted toward the right at 75 degrees as shown in photographs #60, #61 on pages A-30, A-31. The upper edge of the steering wheel rim was deformed rearward 28.6 cm (11.25") from the hub with the bottom edge deformed vertically in a semicircular pattern (refer to photographs #62 - #63 on pages A-31, A-32).

The right side instrument panel was displaced rearward and rotated upward. Gouges marks were noted along the lower portion of the instrument panel which resulted from contact with the forward facing child safety seat and intruding metal interior structure (refer to photographs #69-#71, #81 on pages A-35, A-36, A-41). The instrument panel was against the right front occupant at final rest position partially obscuring the child from view. The police initially were unaware of his presence until a thorough search of the vehicle was conducted moments later.

A 15.2 cm (6.0") diameter bodily fluid transfer was evident on the interior surface of the right front door panel. It was located just behind the door hand grab rail and extended downward from the window sill area. This was attributed to the right rear occupant and oriented his final rest position.

The restraint belts for the right front, left rear, and center rear occupants showed signs of crash related abrasions and were cut by the police to remove the occupants. The latch plates were still inserted into the buckle at the time of the inspection (refer to photograph #73 on page A-37 for the right front, #75, #77, #78 on pages A-38, A-39 for the left rear, and #83 on page A-42 for the right rear).

Vehicle #1 was equipped with a vehicle mounted cellular telephone. The handset was resting on the front seat cushion next to the driver and not in its cradle. Due to the rearward deformation of the instrument panel and floor pan, the telephone cradle could not be located (refer to photograph #68 on page A-34). It was reported by the attorney representing the estate of the driver that according to the cellular telephone company's records the telephone was not in use at the time of the crash. The left front and right rear restraint did not exhibit any belt surface artifact and were in a spooled up position with retractors in a locked mode.

The pillars were cut by rescue and the roof was removed. This was accomplished to remove the driver, right front and right rear occupants.

## **Vehicle #2**

### **Exterior:**

The frontal plane of Vehicle #2 was struck by the frontal plane of Vehicle #1. The vehicle was in the process of being repaired at the time of inspection. Direct contact to the front bumper measured 129.3 cm (50.9"). Crush measurements were not be obtained due to the bumper removal (refer to photographs #92, #94 on pages A-46, A-47). The crush pattern was concentrated near the center of the bumper and was consistent with the contact pattern with Vehicle #1.

Damaged components included: the front bumper; grille; hood/fender assembly; left front tire; radiator; engine components; frame; front axle quick release air valve; and right front air brake cam shaft chamber. The left front tire was punctured along the outboard tread rib from the cylindrical right front door beam of Vehicle #1 (refer to photographs #98, #53 on pages A-49, A-27).

**TDC:** 12-FDEW-1

**Repair Cost:** The cost of replacement parts for the vehicle was estimated by the repair shop at \$15,000

## **Vehicle #2**

### **Interior**

The interior of the vehicle was not damaged in the crash. There was a scuff mark noted to the inside aspect of the left front lap restraint belt. The driver sustained an abrasion of the left leg.

### **VEHICLE VELOCITY ESTIMATES**

A impact speed calculation was not performed as Vehicle #2 was outside the boundary of the SMASH speed reconstruction algorithms. A barrier equivalent computation was performed using the SMASH program. The program calculated the delta V for Vehicle #1 at 62 km/h (38 mph).

The crash occurred on a straight level rural/commercial roadway with a posted speed limit of 89 km/h (55 mph). The driver of Vehicle #2 indicated to police that he was traveling at 72 km/h (45 mph) prior to the crash.

### **COLLISION SEQUENCE**

#### **Pre-crash:**

The driver of Vehicle #1 was transporting his four children to his mother's residence approximately 8 km (5 miles) from his home. Upon departing for this destination, it was believed all occupants were using the available restraint belts. As noted in this report, three of the occupants were removed from the vehicle after the police department cut their restraint belts. The driver and right rear restraint belts showed signs of routine usage, but were not used at the time of the crash.

According to a witness traveling eastbound directly behind Vehicle #1, Vehicle #1 was stopped at a traffic light approximately 1.2 km (0.75 mile) from the crash site. The witness indicated she saw children in the rear seat of Vehicle #1 as they began to accelerate. According to her statement to the police, there were no other vehicles in front of Vehicle #1 prior to the crash.

It was also reported to the police that the driver of Vehicle #1 was in the process of changing careers. The career change was reportedly an upward step and that the driver was looking forward to his new job.

The witness said she saw movement in the right rear seat by the right rear passenger. From this observation, it was assumed the right front occupant, a seven month old infant, was uncomfortable and the right rear occupant may have been instructed by the driver to provide assistance.

A pacifier was found on the floor in front of the right front seat which the driver may have used to calm him. However, the driver's efforts to keep the pacifier in the child's mouth may have been unsuccessful. The driver at that point may have released his lap and shoulder belt to allow more mobility in dealing with the situation.

It was likely the driver's attention was diverted from the task of driving and was concentrated on the complexities of having a disquieted baby and the movement of the unrestrained right rear occupant. As the driver returned his attention back to the roadway, the presence of a garbage truck in a driveway to his right may have contributed to the driver's sudden lane change maneuver.

However, there was no link established by the police department which cited the presence of the garbage truck as the cause of the crash. The witness traveling directly behind Vehicle #1 described the movement of Vehicle #1 as a swerving action. She said it did not appear to be a planned action such as a passing maneuver. She indicated the on-coming truck (Vehicle #2) was too close for this type of action.

The driver of Vehicle #2 was making a delivery of paper products. He was described as good driver by his supervisor. While traveling at a reported speed of 72 km/h (45 mph), the driver saw Vehicle #1 encroach into his lane. The driver attempted to avoid the crash by applying the brakes in a panic brake application and steering to the right. Vehicle #2 skidded approximately 15 m (49') prior to the point of impact (POI).

#### **Crash:**

The POI was located in the center of the westbound lane with Vehicle #1 traveling in an angular direction toward the north roadway edge line. Vehicle #1 rotated counterclockwise and was pushed rearward approximately 41 m (135') where it came to the final rest position (FRP) on the north shoulder and grass area facing south. Vehicle #2 jackknifed in a clockwise direction and departed the right side of the roadway traveling approximately 30 m (98') from POI to FRP.

#### **Post-Crash:**

**Final Rest** - Vehicle #1 came to final rest with the front tires on the gravel portion of the north shoulder and rear tires in the adjacent grass area. A fire developed in the engine compartment and was extinguished by passer-bys.

The tractor portion of the vehicle traveled along the paved shoulder and came to FRP in the adjacent grass area heading in a northerly direction. The semi-trailer remained attached to the tractor and came to rest with the left rear tires on the westbound travel lane and the right rear tires on the paved shoulder.

**Driver Activities** - The driver was pronounced dead on scene. Just prior to the crash, the driver may have been distracted from the driving task by the right front and right rear occupants. His inattention may have resulted in the sudden left steering maneuver. He was found by rescue unrestrained in the driver seat.

**Police Activities** - The local police department was the primary law enforcement agency in-charge of the investigation. They arrived within minutes of the crash and removed restraint belts from the two of the rear seat occupants. They were assisted by the State Police who inspected and evaluated the braking system of Vehicle #2. The State Police did not find any pre-impact component failures during their vehicle inspection. The local police sealed the area to traffic, but rescue vehicles apparently traveled over some of the evidence resulting in some tire marks in the pavement surface.

**Rescue Activities** - A local volunteer fire department responded and arrived moments after the police department. The left rear occupant in Vehicle #1 was life flighted to a pediatric hospital where he expired five hours after the crash. The center rear occupant was transported to an area hospital via ambulance where he was pronounced DOA.

The medical coroner's office responded to the scene and pronounced the expiration of the driver, the right front occupant, and the right rear occupant. Their bodies were transported to the morgue where an autopsy was performed.

**Scene Clearance** - Both vehicles were towed from the scene due to damage. Vehicle #1 was impounded by the police and stored at their headquarters. It was later towed to a repair facility where it was available for inspection by all interested parties which took place fifteen days after the crash.

Vehicle #2 was towed to a local tow yard where the State Police inspected the braking system. Their report indicated the braking system was within normal limits. The vehicle was released to the owner who had the vehicle towed to a repair facility. The vehicle was partially disassembled at the time of inspection.

#### **Human Factors/Occupant Data**

<b>Vehicle #1</b>	<b>Driver</b>	<b>Right Front Occupant</b>	<b>Left Rear Occupant</b>	<b>Center Rear Occupant</b>	<b>Right Rear Occupant</b>
Age/Sex:	35 years male	7 months male	3 years male	6 years male	8 years male
Height:	168.9 cm (66.5")	66.0 cm (26.0")	106.7 cm (42.0")	119.4 cm (47.0")	127.0 cm (50.0")
Weight:	65.8 kg (145 lbs)	7.9 kg (17.5 lbs)	15.9 kg (35.0 lbs)	23.1 kg (51.0 lbs)	24.0 kg (53.0 lbs)

<b>Vehicle #1</b>	<b>Driver</b>	<b>Right Front Occupant</b>	<b>Left Rear Occupant</b>	<b>Center Rear Occupant</b>	<b>Right Rear Occupant</b>
<b>Restraint System Usage:</b>	Not wearing the available 3-pt passive lap and torso belt	Forward facing child safety seat, Century 300	Manual lap and torso belt used	Manual lap belt used	Not wearing the available 3-pt manual lap and torso belt
<b>Usage Source:</b>	Police Accident Report, Inspection	Police Accident Report, Inspection	Police Accident Report, Inspection	Police Accident Report, Inspection	Police Accident Report, Inspection
<b>Eyewear:</b>	Unknown	None	Unknown	Unknown	Unknown
<b>Type of Medical Treatment:</b>	None, expired	None, expired	Transported via life flight, expired 5 hrs. later	Transported via ambulance, DOA	None, expired
<b>Vehicle Familiarity:</b>	Familiar, leased vehicle				
<b>Route Familiarity:</b>	Very familiar				
<b>Trip Plan:</b>	Visit relative (mother)				

## **INJURY DATA**

This was a catastrophic crash where occupant survivability would not have been anticipated regardless of restraint belt usage. Injuries which were assigned to the lap belt in the following tables should not be viewed as failure of the restraint system. Had rear seat occupants not been restrained, it would have been anticipated that they would have sustained fatal injuries from contacting other interior components.



<b>DRIVER INJURIES VEHICLE #1</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
1-3. Diffuse brush burn type abrasions: -right side of face -chin -left cheek	290202.11 290202.18 290202.12	Windshield Windshield Left sunvisor
4. Chest-diffuse bruise	490402.12	Steering wheel
5-6. Back of right forearm and right hand: -abrasions -bruise	790202.11 790402.11	Instrument panel Instrument panel
7. Right Thigh--lateral aspect: 7" laceration	890602.11	Instrument panel
8. Left knee and left leg: Multiple areas of abrasions	890202.12	Instrument panel
9. Right femur fracture-lower portion	851800.31	Instrument panel
10. Right tibia fracture-upper part	853404.21	Instrument panel
11. Right tibia fracture-lower part	853404.21	Floor
12. Right fibula fracture-upper part	851605.21	Instrument panel
13. Right fibula fracture-lower part	851605.21	Floor
14. Thoracic aorta laceration-transected	420210.54	Steering wheel
15. Heart-right atrium lacerated	441012.54	Steering wheel
16. Chest-left ribs fracture, entire left ribs, right ribs fracture (1st thru 7th) with hemothorax	450242.53	Steering wheel
17. Bilateral lung contusions	441410.43	Steering wheel

<b>DRIVER INJURIES VEHICLE #1</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
18. Liver-extensive lacerations	541826.41	Steering wheel
19. Spleen-extensive laceration, normal appearance of the organ is completely disappeared due to extensive laceration	544226.42	Steering wheel
20. Left kidney-laceration	541620.22	Steering wheel
21. Small intestine contusions	541410.28	Steering wheel
22. Large intestine contusions	540810.28	Steering wheel
23. Maxillary bone fracture	250800.29	Sunvisor (roof)
24. Small subdural hemorrhage	140652.49	Sunvisor (roof)
25-26. Skull: -left temporal bone fracture -sphenoid bone fracture (base)	150400.22 150200.38	Sunvisor (roof) Sunvisor (roof)

<b>RIGHT FRONT PASSENGER INJURIES - 7 month old male</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
1-2. Skull-comminuted fracture of the vault and into the base of the skull with lacerated dura mater -Comminuted, open fracture, frontal skull -Comminuted, open fracture, base of skull	150406.45 150206.48	Child safety seat shield/right instrument panel
3. Brain laceration, severely lacerated	140688.49	Child safety seat shield/right instrument panel
4. Subdural hemorrhage	140652.49	Child safety seat shield/right instrument panel
5. Cervical spine fracture, fracture of cervical spine between C <sub>7</sub> and T <sub>1</sub>	650232.26	Child safety seat shield/right instrument panel

<b>RIGHT FRONT PASSENGER INJURIES - 7 month old male</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
6. Bilateral lung contusions, a few small contusions are seen on the outer surfaces of both lungs, hemothorax	441410.43	Child safety seat shield/right instrument panel
7. Spleen lacerated	544220.22	Child safety seat shield/right instrument panel
8. Femur fracture-shaft, left femur is fractured in its upper third	851816.22	Child safety seat shield/right instrument panel
9. Abdomen abrasion, transverse abrasion across abdomen at left lower umbilicus	590202.10	Child safety seat shield/right instrument panel
10. Right thigh abrasion, anterior surface	890202.11	Child safety seat shield/right instrument panel
11. Scalp contusions-the scalp is reflected and hemorrhage is seen in the frontal, temporal and occipital areas, -frontal contusions -temporal contusions -occipital contusions	190402.10	Child safety seat shield/right instrument panel

<b>LEFT REAR PASSENGER INJURIES - 3 year old male</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
1. Skull fracture-linear fracture extending from right temporal area backward	150402.21	Torso jackknife, contact with lower extremity
2. Subdural hemorrhage	140652.49	Torso jackknife, contact with lower extremity
3. Subarachnoid hemorrhage	140684.39	Torso jackknife, contact with lower extremity

<b>LEFT REAR PASSENGER INJURIES - 3 year old male</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
4. Bilateral cerebral contusions-marked contusions on left and right occipital areas as well as posterior aspect of the cerebellum. These contusions are contra-coup to the impact on the right face	140402.36	Torso jackknife, contact with lower extremity
5. Cerebellum contusions	140402.36	Torso jackknife, contact with lower extremity
6. Cerebral lacerations	140688.49	Torso jackknife, contact with lower extremity
7. Middle meningeal artery (branch external carotid), transected on right side, right face	220204.31	Torso jackknife, contact with lower extremity
8. Atlanto-occipital dislocation	650208.26	Torso jackknife, contact with lower extremity
9. Thoracic spine - T <sub>12</sub> fracture	650416.27	Lap belt
10. Lumbar spine - L <sub>1</sub> fracture	650616.28	Lap belt
11. Right forearm fracture	751800.21	Seat
12. Right tibia fracture	853404.21	Torso jackknife, contact with head
13. Right fibula fracture	851605.21	Torso jackknife, contact with head
14. Heart contusion-heart shows petechial hemorrhages on the surface as well as on the endocardium	441002.34	Torso jackknife, contact with lower extremity
15. Liver laceration	541820.21	Lap belt
16. Diaphragm contusions	440602.28	Lap belt

<b>LEFT REAR PASSENGER INJURIES - 3 year old male</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
17. Mesentery laceration-- mesentery laceration is the site of bleeding in the abdominal cavity (major)	542024.38	Lap belt
18. Abdominal contusions	590402.10	Lap belt
19. Lower extremities contusions- marked petechial hemorrhages from the waist down to the toes	890402.13	Torso jackknife
20-22. Facial contusions: -right forehead -right cheek -right zygomatic area	290402.17 290402.11 290402.11	Torso jackknife, contact with lower extremity
23-24. Head contusions-right and frontal scalp is reflected and there is marked subgaleal hemorrhage in right frontal and right temporal areas	190402.11 190402.15	Torso jackknife, contact with lower extremity

<b>CENTER REAR PASSENGER INJURIES - 6 year old male</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
1. Spine-complete transection of the lumbar vertebral bone between L3 and L4	650699.28	Lap belt
2. Spinal cord-lumbar spinal cord demonstrates hemorrhage with no fracture or dislocation	640602.38	Lap belt
3. Abdominal aorta laceration	520208.54	Lap belt
4. Left external iliac vein laceration	521002.22	Lap belt
5. Mesentery laceration	542020.28	Lap belt
6. Mesentery contusion, "contusion of intestines"	542010.28	Lap belt

<b>CENTER REAR PASSENGER INJURIES - 6 year old male</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
7. Cerebral edema	140668.39	Floor
8. Subdural hemorrhage-small	140652.49	Floor
9. Bilateral lung contusions	441410.43	Floor
10. Kidney contusion, left kidney demonstrates focal hemorrhage	541610.22	Lap belt
11-12. Head contusions-scalp is reflected and shows hemorrhage on the front part of the head and left side of head	190402.15 190402.12	Floor Floor
13. Left forehead abrasion	290202.17	Floor
15. Right chin abrasion	290202.18	Floor
16. Abdominal abrasion-abdomen demonstrates a band-like abrasion measuring 2" in width	590202.10	Lap belt
15. Right flank contusion, right flank demonstrates diffuse bruising	590402.11	Lap belt

<b>RIGHT REAR PASSENGER INJURIES (8 year old male)</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
1-2. Skull fractures-comminuted fracture of vault and extends into the base with lacerated dura mater -comminuted, open fracture, right skull -comminuted, open fracture, base of skull	150406.41 150206.48	Upper A-pillar Upper A-pillar
3. Cerebral laceration-right frontal lobe is severely lacerated	140688.41	Upper A-pillar
4. Epidural hemorrhage	140630.49	Upper A-pillar
5. Subdural hemorrhage	140650.49	Upper A-pillar

<b>RIGHT REAR PASSENGER INJURIES (8 year old male)</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
6. Intraventricular hemorrhage	140678.49	Upper A-pillar
7. Spleen-severely lacerated	544226.42	Seat back support
8. Bilateral lung contusions	441410.43	Seat back support
9. Left femur fracture, lower end	851802.22	Seat back support
10. Laceration-1 1/4" in right frontal head area	190602.11	Upper A-pillar
11. Lacerations-1/2" and 1/8" right forehead	290602.17	Upper A-pillar
12. Contusion-right upper arm	790402.11	Right front door surface
13. Contusions-right upper quadrant of the anterior abdominal wall	590402.17	Right front door surface
14. Contusions-left groin	590402.18	Seat back support
15. Laceration-1/4" anterior left knee	890602.12	Seat back support
16. Abrasion-anterior surface left knee	890202.12	Seat back support
17. Contusions: -right lower leg -right knee -lower aspect, left ankle	890402.10	Right rear door surface
17. Laceration-3/4" over proximal phalanx, left index finger	790602.12	Instrument panel
19. Scalp contusions-scalp is reflected and shows considerable hemorrhage	190402.10	Upper A-pillar

<b>DRIVER INJURIES VEHICLE #1 (36 year old male)</b>	<b>SEVERITY (AIS)</b>	<b>SOURCE</b>
1. Abrasion of the left leg	890202.12	Left instrument panel

## **OCCUPANT KINEMATICS**

### **Vehicle #1**

The unrestrained driver moved forward during the crash and contacted the steering wheel with his abdominal and chest areas. The driver's knees contacted the lower instrument panel which was deforming rearward against his body. As the frontal crush continued rearward, the engine was displaced and protruded through the toe pan. This displacement resulted in the rearward movement of the steering column which was in contact with the driver's chest and abdominal area. Loading of the steering column resulted in the separation of steering wheel from the hub at the tilt wheel articulation joint.

The driver's torso was then forced upward resulting in contact of his head with the left sunvisor and underlying roof structure. The driver's continued forward and contacted the windshield as evidenced by the tissue transfer and embedded hair in the glazing. The steering column rotated vertically and separated at the floor pan. The driver rebounded and came to rest slumped rearward in the driver's seat. His lower extremities were entrapped by the lower instrument panel.

The right front occupant was in a forward facing child restraint seat which was properly secured to the vehicle with the automatic lap and torso belt. The occupant moved against the safety seat harness at the on-set of the crash sequence. As the frontal plane of the vehicle crushed rearward, the instrument panel intruded into the vehicle interior and contacted the child seat's safety shield. The shield was displaced rearward and contacted the child's head and face. This resulted in critical injuries to his head, neck, chest, abdomen, and lower extremities. The child remained secured in the child seat and the seat remained secured to the vehicle via the lap and shoulder belt at final rest.

The left rear occupant (three year old male) was secured with the lap portion of the three point lap and shoulder belt. The occupant moved forward during the impact with his upper torso jackknifing over his lower extremity. His head contacted his legs resulting in a fracture of the skull and numerous brain injuries while suffering lower leg fractures. His head was deflected rearward resulting in the dislocation of the atlanto-occipital. He sustained several abdominal organ lesions and lower spine fractures which were attributed to the lap belt. The lap belt was cut by a police officer to remove him from the vehicle.

The center rear occupant (six year old male) was secured with the available lap belt. He moved forward in response to impact forces and jackknifed with his upper torso contacting his lower extremities and his head striking the floor which resulted in brain injuries. He sustained multiple internal abdominal lesions which were attributed to loading on the lap belt. The lap belt was cut by a police officer to remove him from the vehicle.

The right rear occupant (8 year old male) had released his lap and shoulder belt prior to the crash and was standing with his upper torso along the right side of the front seat back support assisting the right front occupant. During the crash phase, the occupant moved forward and struck the right front upper A-pillar with his head which resulted in several skull fractures and



brain lesions. His right upper and lower extremities and right abdominal region contacted the right front door surface resulting in multiple contusions. His left lower torso contacted the seat back support which resulted in chest, abdominal, and lower extremity lesions. The occupant's head and upper torso may have been partially ejected through the right front window. The on-scene police photograph showed the occupant's head and chest against the right front door panel and his lower torso pinned against the right front seat back rest. The door panel in the vicinity of the occupant's upper torso was deformed laterally and protruded outward from the side plane of the vehicle.

### **CHILD SAFETY SEAT**

The right front occupant was seated in a Century 300 convertible child safety seat equipped with a three point belt harness and a hinged restraining shield. The seat was manufactured [REDACTED] 1982 and was constructed with a steel tubular frame with a vinyl shell construction. A brown padded vinyl seat cushion was attached by snaps which remained intact during the crash. The seat positioning adjustment bar was in the vertical detent slot which was consistent with the recommended placement for usage in a forward facing position. The torso belt was located in the lower of the two vertical adjustment slots.

The back support of the vinyl shell was fractured as the result of loading by the intruding instrument panel. The tubular frame along the leading safety seat structure was displaced rearward resulting in the deformation of the entire safety seat. The leading edge of the seat was fractured and separated from the frame. The right side hinge of the restraining shield was separated from the seat (refer to photographs #84-#91 on pages A-42 through A-46).

The occupant was restrained in the child safety seat at final rest. Rescue personnel cut the vehicle's lap and torso belt to release the child seat. The occupant was transported to the Medical Examiner's office while still restrained in the child safety seat.

**Appendix A**  
**Selected Prints**

**Selected Prints**  
**Calspan Case No. 94-22**



1. Trajectory of Vehicle #1 (1993 Oldsmobile Cutlass Supreme) traveling eastbound - 122 meters (400') prior to the point of impact (POI).



2. Trajectory of Vehicle #1 - 91 meters (300') prior to the POI.



3. Trajectory of Vehicle #1 - 76 meters (250') prior to the POI.



4. Trajectory of Vehicle #1 - 31 meters (200') prior to the POI.





5. Trajectory of Vehicle #1 - 46 meters (150') prior to the POI.



6. Trajectory of Vehicle #1 - 30 meters (100') prior to the POI.



7. Trajectory of Vehicle #1 - 15 meters (50') prior to the POI.



8. Trajectory of Vehicle #1 - 3 meters (10') prior to the POI.





9. Trajectory of Vehicle #1 at POI.



10. Final rest position (FRP) of Vehicle #1.





11. View of the FRP of Vehicle #1 with the front tire placement located along the bottom portion of the photograph (i.e., right front tire located at the bottom left corner, left front tire located at the bottom right corner).



12. View looking eastward beyond Vehicle #1's FRP.





13. Trajectory of Vehicle #2 - 31 meters (200') prior to the POI.



14. Trajectory of Vehicle #2 - 46 meters (150') prior to the POI.



15. Trajectory of Vehicle #2 - 30 meters (100') prior to the POI. This view shows the beginning of Vehicle #2's skid mark pattern.



16. View of Vehicle #2's trajectory as the it departs the right roadway edge line.





17. Trajectory of Vehicle #2 - 15 meters (50') prior to the POI.



18. Closer view of Vehicle #2's skid mark pattern.



19. View of Vehicle #2's skid pattern at 8 meter (25') prior to POI.



20. Another view of Vehicle #2's skid pattern at 8 meter (25') prior to POI.





21. Trajectory of Vehicle #2 at POI.



22. Close-up view of at the POI.





23. View of Vehicle #2's post impact trajectory.



24. Another view of Vehicle #2's post impact trajectory.



25. View of Vehicle 2's post crash trajectory prior to the FRP.



26. View of Vehicle #2's FRP.





27. View of Vehicle #2's FRP looking north from the westbound travel lane



28. Reverse view of Vehicle #2's trajectory from beyond the its FRP.





29. Reverse view of Vehicle #2's trajectory.



30. Reverse view of Vehicle #2's trajectory looking from beyond the FRP positions of Vehicle #1 and Vehicle #2.



31. On-scene photograph showing Vehicle #2's tire skid pattern and FRP.



32. On-scene view of Vehicle #2's tire skid pattern and FRP.





33. On-scene view of Vehicle #2's tire skid pattern highlighting the location of the tractor's axle 2 and axle 3 tires at the POI.



34. Close-up on-scene view of the POI in the direction of Vehicle #2's trajectory.



35. On-scene view of Vehicle #1's and Vehicle #2's FRP looking in a southwesterly direction.



36. On-scene view of Vehicle #1's trajectory.





37. Another on-scene view of Vehicle #1's trajectory.



38. Close-up on-scene reverse trajectory view of Vehicle #2's skid pattern showing the position of the tractor's axle 2 and axle 3 tires at POI.



39. On-scene view of both vehicles at FRP looking east.



40. Frontal view of Vehicle #1, 1993 Oldsmobile Cutlass Supreme.

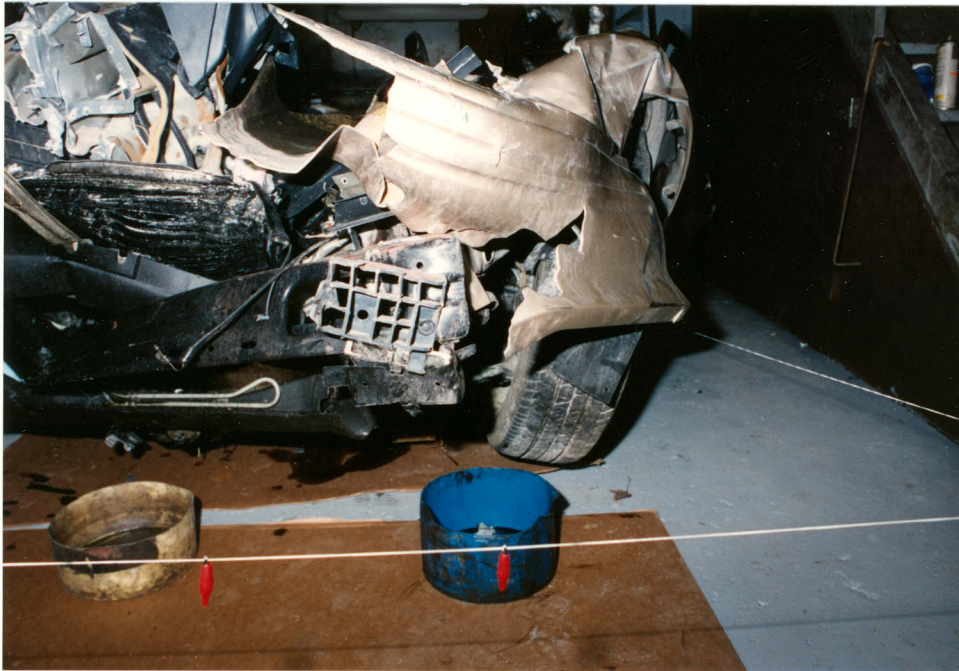




41. Frontal view of Vehicle #1's hood which was separated from the vehicle during the crash.



42. Right side of Vehicle #1's frontal plane.



43. Left side of Vehicle #1's frontal plane.



44. Lateral view of the frontal plane taken from the left side of the vehicle illustrating the extent of frontal crush.

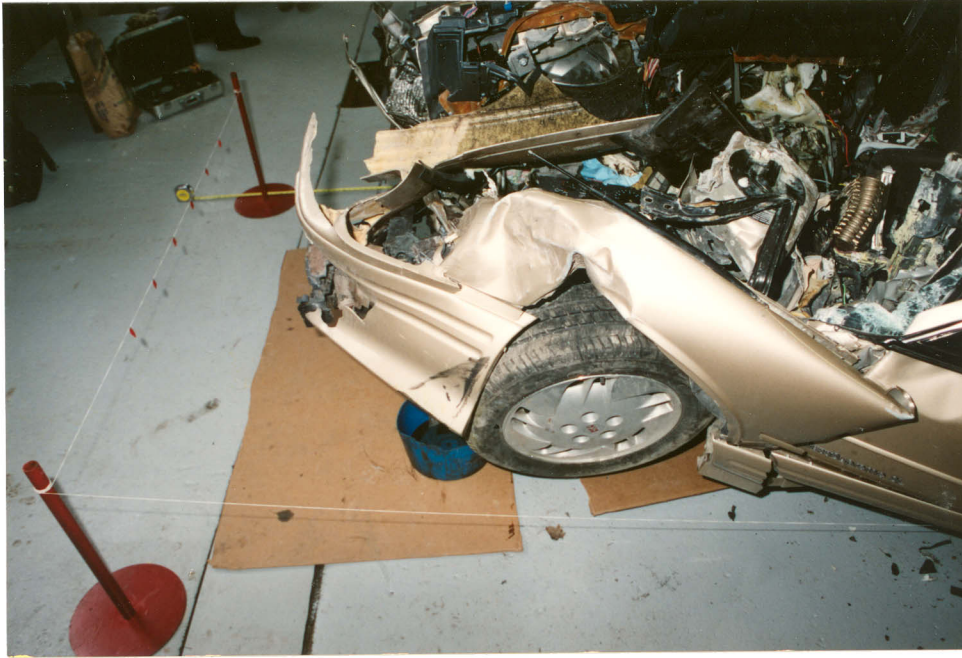




45. Lateral view of the frontal plane taken from the right side of the vehicle illustrating the extent of frontal crush.



46. Left front corner view.



47. Overhead view of the frontal plane taken from the left side of Vehicle #1.

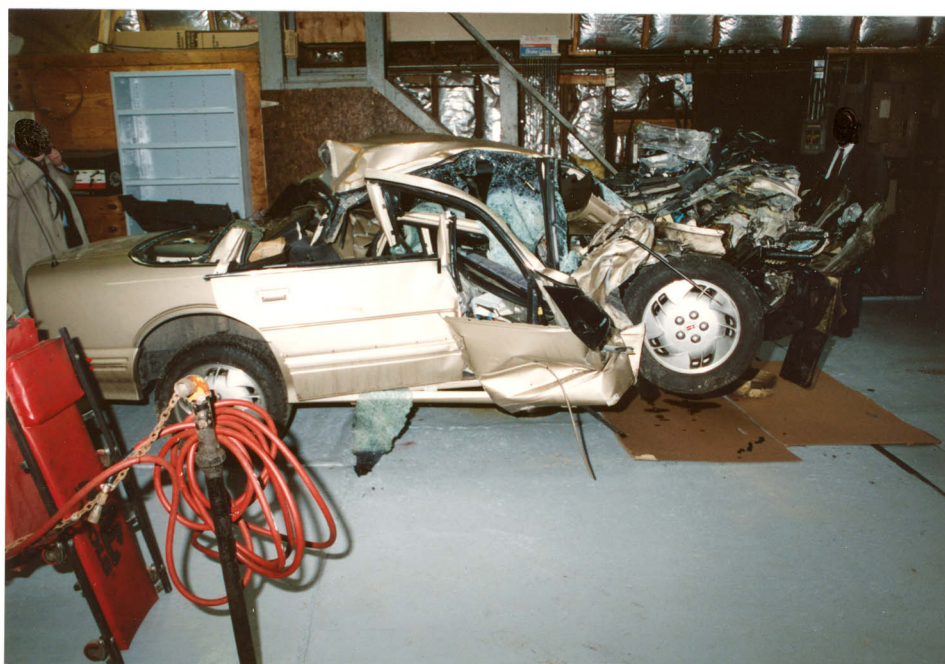


48. View of the left rear corner view.





49. View of the right rear corner view.



50. View of the right side plane.



51. Lateral view of the right front side plane.

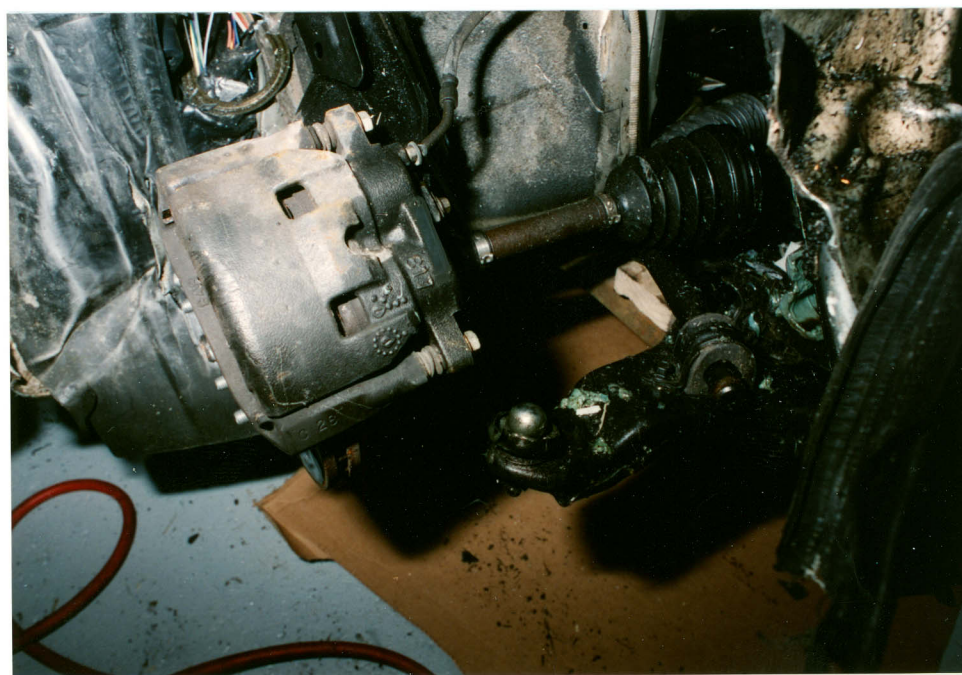


52. Right front corner view.





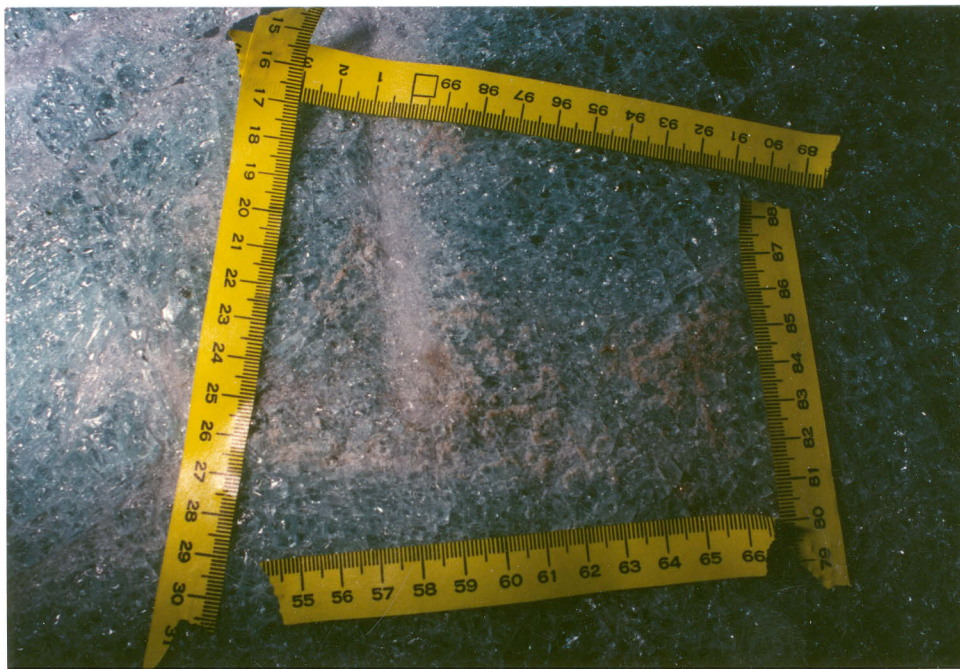
53. View of the right front fender, brake caliper, and door surface.



54. Close-up view of the right front ball joint separated in the crash.



55. View of the windshield and roof (removed during rescue) shown in an inverted position (i.e., inside surface of the windshield is displayed with the left side toward the left side of the photograph).



56. Close-up view of contact evidence on windshield.





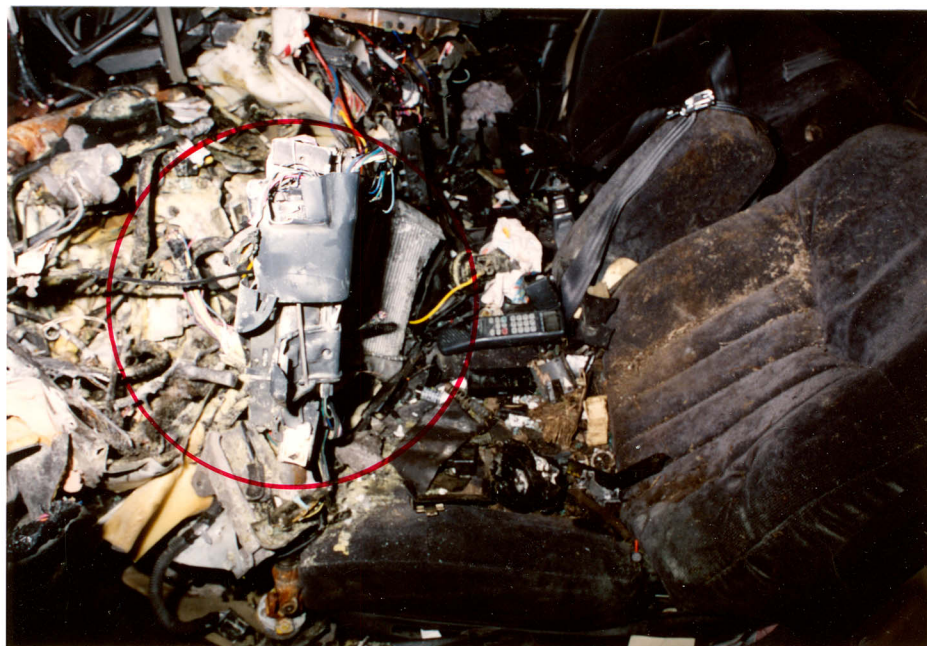
57. Close-up view of contact on left sunvisor and pens in elastic band.



58. View of the rear view mirror.



59. Overall view of Vehicle #1's interior. The front end of the vehicle is located along the left side of the vehicle.



60. View of the front seat and instrument panel looking laterally from the left side of the vehicle. Note the position of the steering column shown in the encircled area.



61. Close-up view of the steering column. Note its position with the leading edge of the driver's seat cushion.



62. Lateral view of the steering wheel which was separated during the crash.



63. Another view of the steering wheel.



64. View of the reverse side of the steering wheel showing the fractured site where the steering wheel separated from the steering column.



65. View showing the close proximity of the instrument panel and steering column to the left front seat cushion.



66. Overhead view of the driver's seat back rest and instrument panel. The engine intake manifold is visible in the center of the photograph and is identified by the "3.1 Multi Port" lettering.





67. Overhead view of the front seat area.



68. Closer view overhead view of the driver's seat.





69. Closer view of the right front instrument panel.



70. Close-up view of the contact evidence on the right side instrument panel.



71. Close-up view of contact evidence on the right side instrument panel.



72. View of the right front passenger's blue and white blanket wedged along the leading edge of the right front seat.





73. View of the contact evidence and rescue efforts on the right front lap and shoulder belt.



74. Overhead view of the right front door panel showing bodily fluid transfer from the right rear occupant.

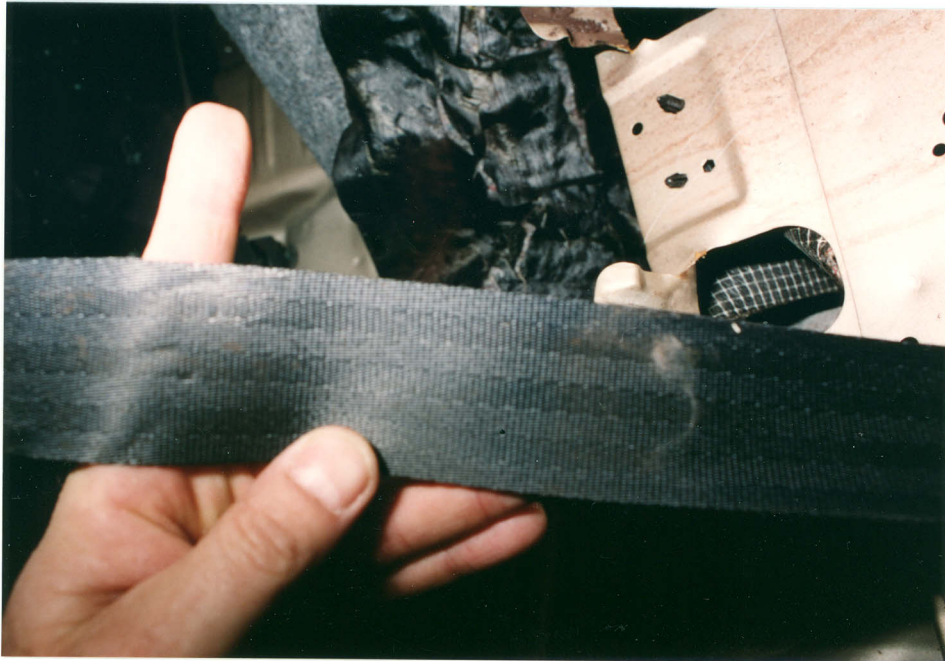


75. View of the left rear seat area showing the belts cut by rescue.



76. View of the driver seat head rest.





77. Close-up view of contact evidence on the left rear shoulder belt.



78. Lateral view of the rear seat looking from the left side of the vehicle.



79. View of the right rear seat and rear surface of the right front seat back rest.



80. View of the rear surface of the front seat back rest.



81. Overhead view of the right rear seat and right front seat back rest.



82. Close-up view of contact evidence on the inside surface of the right upper B-pillar.





83. Lateral view of the rear seat looking from the right side of the vehicle.



84. View of the Century 300 convertible child safety seat



85. Close-up view of the occupant side of the armrest/shield showing contact evidence.



86. View of the child safety seat with the armrest/shield rotated upward and the harness attached at the buckle.



87. Angular view of the left side of the child safety seat.



88. Angular of the left rear side of the child safety seat.

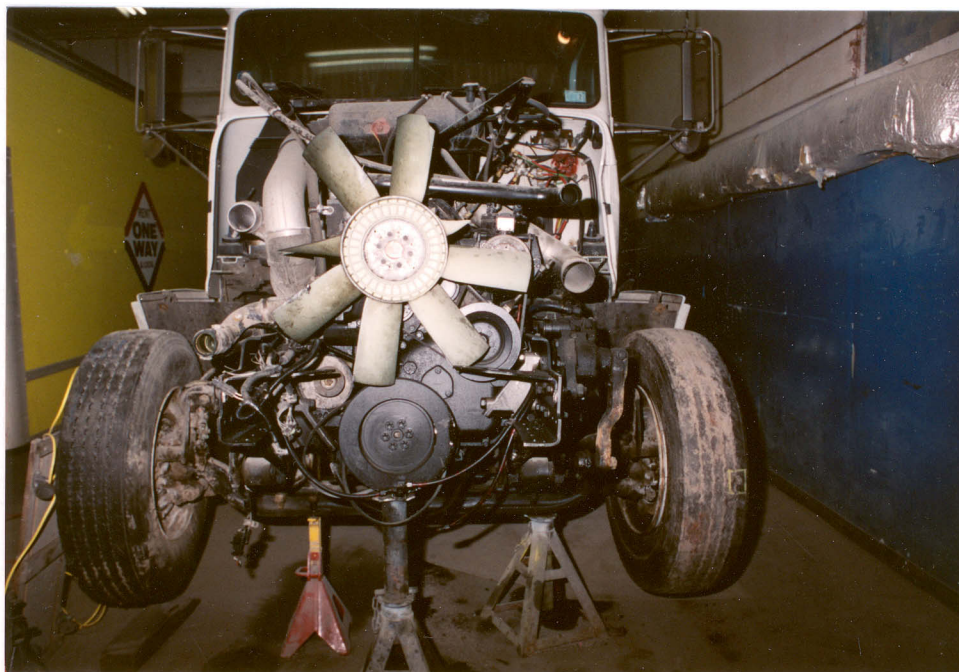


89. View of the rear of the child safety seat.



90. View of the right side of the child safety seat.

91. Right front view of the child safety seat.



92. Frontal view of Vehicle #2 (1994 Freightliner truck-tractor) as seen during repair activities.





93. View of the grille area.



94. View of the front bumper.





95. View of the inside surface of the radiator.



96. View of the hood.

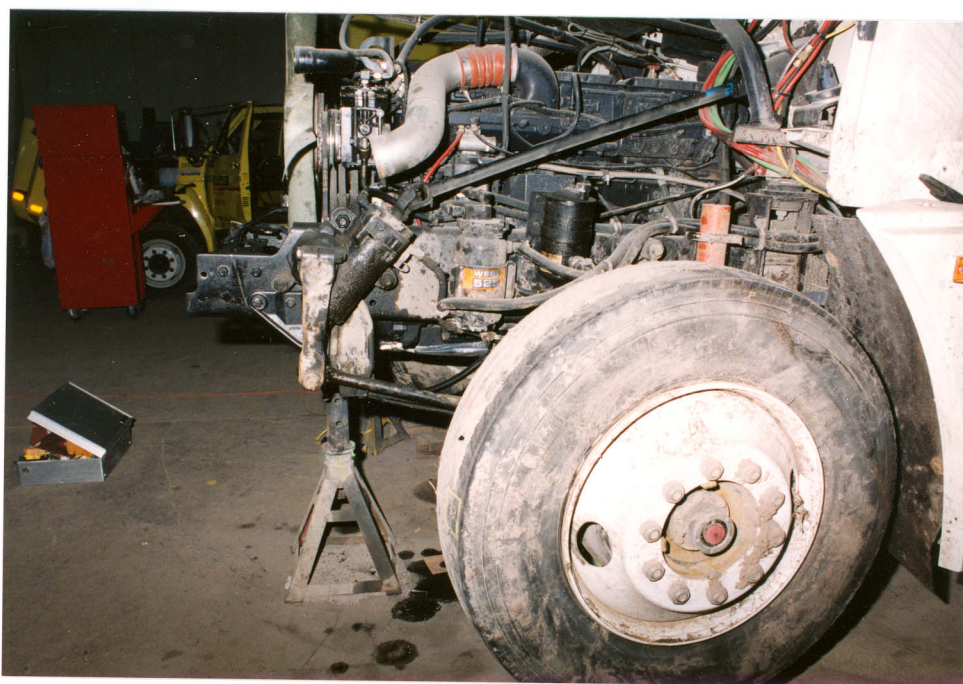


97. View of the left front corner.



98. Close-up view of the left front tire highlighting a gouge in the outer edge of the tread resulting from contact with Vehicle #1's right front door reinforcement beam (refer to photograph # 53 on page A-27).





99. Lateral view of the left front side plane.



100. View of the left rear corner.





101. View of the right rear corner.



102. Lateral view of the right front side plane.



103. View of the right front corner.



104. Lateral view of Vehicle #2's interior as seen from the left side of the vehicle.



105. View of the left instrument panel.



106. Angular view of the left instrument panel.



107. View of the center instrument panel.



108. View of the right instrument panel.



109. Angular view of the left instrument panel.



110. Lateral view of the left front seat area.

**“GRAPHIC”  
PHOTOGRAPHS and IMAGES**

**Several vivid photographs have been removed for this case.  
These photographs contain highly graphic material  
which may be improper for the general audience.**

**Photographs #111-113 (pages A-56, A-57)**

**If you would like a copy of these photographs and/or images  
please call or write to:**

**Marjorie Saccoccio at (617) 494-2640  
VOLPE NATIONAL TRANSPORTATION SYSTEMS CENTER  
55 Broadway  
Cambridge, MA 02142**



**CAUTION!**

Drop  
all  
references  
to these  
photos  
& take  
them out.

**PHOTOGRAPHS #111 - #113 ON PAGES A-56, A-57  
CONTAIN GRAPHIC ON-SCENE VIEWS OF THE  
DRIVER, RIGHT FRONT AND RIGHT REAR  
PASSENGERS**

## **Appendix B**

### **SMASH Speed Reconstruction Program Output**

Speed Change  
(Damage)

Vehicle #1  
 Total 62 km/h ( 38 mph)  
 Longitudinal -62 km/h ( -38 mph)  
 Latitudinal -0 km/h ( -0 mph)  
 PDOF Angle 0 °  
 Energy Dissipated = 227824 Joules ( 168012 Ft-Lb)  
 Barrier Equivalent Speed = 61.9 km/h ( 38.5 mph)  
 Calculated using crush coefficients entered by the user.

Vehicle #2  
 Total 0 km/h ( 0 mph)  
 Longitudinal 0 km/h ( 0 mph)  
 Latitudinal 0 km/h ( 0 mph)  
 PDOF Angle 0 °  
 Energy Dissipated = 0 Joules ( 0 Ft-Lb)  
 Barrier Equivalent Speed = 0.0 km/h ( 0.0 mph)  
 Calculated using size and stiffness categories.

## General Information

## Vehicle #1

## Vehicle #2

Year	1993	1900
Make	Oldsmobile	
Model	Cutlass Supreme	
CDC	12FDEW7	BARRIER
Side Damaged	F	
PDof Angle	360 °	0 °
Heading Angle	360 °	0 °

Calculation method:	Vehicle's Crush Coeff.	Size and Stiffness
Size Category	**	11
Stiffness Category	**	11
Vehicle Weight	**	453592 kgs ( 999999 lbs)
d0 crush coeff.	99.19 sqrt(N)	***** sqrt(N)
d1 crush coeff.	6.47 sqrt(N)/cm	***** sqrt(N)/cm



## Damage Information

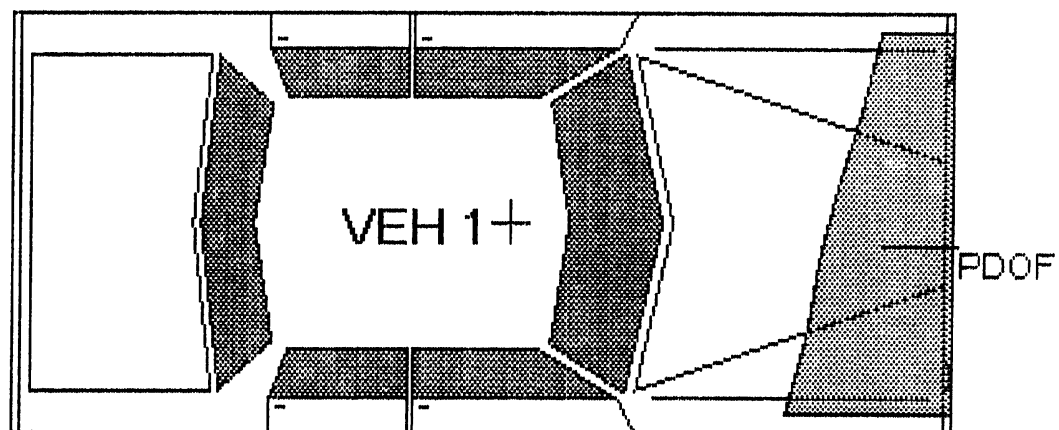
Page 2

Vehicle Damage Known	Vehicle #1		Vehicle #2	
	Yes		Yes	
Crush Length	165.1 cm ( 65 in)		0.0 cm ( 0 in)	
CC1	39.5 cm ( 16 in)		0.0 cm ( 0 in)	
CC2	49.3 cm ( 19 in)		0.0 cm ( 0 in)	
CC3	60.9 cm ( 24 in)		0.0 cm ( 0 in)	
CC4	71.1 cm ( 28 in)		0.0 cm ( 0 in)	
CC5	78.1 cm ( 31 in)		0.0 cm ( 0 in)	
CC6	88.3 cm ( 35 in)		0.0 cm ( 0 in)	
CC7	0.0 cm ( 0 in)		0.0 cm ( 0 in)	
CC8	10.4 cm ( 4 in)		0.0 cm ( 0 in)	

## Vehicle Dimensions

	Vehicle #1		Vehicle #2	
Length	492.1 cm ( 194 in)		0.0 cm ( 0 in)	
Width	180.4 cm ( 71 in)		0.0 cm ( 0 in)	
Wheelbase	273.0 cm ( 107 in)		254.0 cm ( 100 in)	
Weight	1522 kgs ( 3355 lbs)		453592 kgs ( 999999 lbs)	
CG to Front of Veh	228.1 cm ( 90 in)		127.0 cm ( 50 in)	
Engine Displacement	3.1 liters		0.0 liters	
Moment of Inertia	332846 kgs ( 29461 lbs)		29375740821 kgs (2600101632 lbs)	
Vehicle Mass	1522 kgs ( 8.7 lb-s <sup>2</sup> /in)		453515 kgs (2600.1 lb-s <sup>2</sup> /in)	

1993 Oldsmobile Cutlass Supreme





## GENERAL VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM1. Primary Sampling Unit Number       2. Case Number - Stratum 94 223. Vehicle Number 01

## VEHICLE IDENTIFICATION

4. Vehicle Model Year 93Code the last two digits of the model year  
(99) Unknown5. Vehicle Make (specify): 21OldsmobileApplicable codes are found in your  
NASS Data Collection, Coding and  
Editing Manual.  
(99) Unknown6. Vehicle Model (specify): 020Cutlass SupremeApplicable codes are found in your  
NASS Data Collection, Coding and  
Editing Manual.  
(999) Unknown7. Body Type 04Note: Applicable codes may be found on  
the back of this page.

8. Vehicle Identification Number

1G3WH54T5P0 (Serial# omitted)  
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17Left justify; Slash zeros and letter Z (0 and Z)  
No VIN—Code all zeros  
Unknown—Code all nines

## OFFICIAL RECORDS

9. Police Reported Vehicle Disposition 1  
(0) Not towed due to vehicle damage  
(1) Towed due to vehicle damage  
(9) Unknown10. Police Reported Travel Speed 999Code to the nearest kph (NOTE: 000 means  
less than 0.5 kph)  
(160) 159.5 kph and above  
(999) Unknown       mph X 1.6093 =        kph11. Police Reported Alcohol Presence 0

- (0) No alcohol present
- 
- (1) Yes (alcohol present)
- 
- (7) Not reported
- 
- (8) No driver present
- 
- (9) Unknown

Note: See variables 37 through 55  
(Page 4) for information on Other Drugs12. Alcohol Test Result For Driver 96

- Code actual value (decimal implied
- 
- before first digit—0.xx)
- 
- (95) Test refused
- 
- (96) None given
- 
- (97) AC test performed, results unknown
- 
- (98) No driver present
- 
- (99) Unknown

Source:                                 

## ACCIDENT RELATED

13. Speed Limit 089

- (000) No statutory limit
- 
- Code posted or statutory speed limit
- 
- in kph
- 
- (999) Unknown

       mph X 1.6093 =        kph14. Attempted Avoidance Maneuver 01

- (01) No avoidance actions
- 
- (02) Braking (no lockup)
- 
- (03) Braking (lockup)
- 
- (04) Braking (lockup unknown)
- 
- (05) Releasing brakes
- 
- (06) Steering left
- 
- (07) Steering right
- 
- (08) Braking and steering left
- 
- (09) Braking and steering right
- 
- (10) Accelerating
- 
- (11) Accelerating and steering left
- 
- (12) Accelerating and steering right
- 
- (97) No driver present
- 
- (98) Other action (specify):
- 
- 

(99) Unknown

15. Accident Type 50Applicable codes may be found on the  
back of page two of this field form  
(00) No impact  
Code the number of the diagram that  
best describes the accident circumstance  
(98) Other accident type (specify):  
  

(99) Unknown

\*\*\*\* SKIP TO VARIABLE GV37 IF GV07 DOES NOT EQUAL 01-49 \*\*\*\*



# CODES FOR BODY TYPE

## CDS APPLICABLE VEHICLES

### Automobiles

- (01) Convertible (excludes sun-roof, t-bar)
- (02) 2-door sedan, hardtop, coupe
- (03) 3-door/2-door hatchback
- (04) 4-door sedan, hardtop
- (05) 5-door/4-door hatchback
- (06) Station wagon (excluding van and truck based)
- (07) Hatchback, number of doors unknown
- (08) Other automobile type (specify):
- (09) Unknown automobile type

### Automobile Derivatives

- (10) Auto based pickup (includes El Camino, Caballero, Ranchero, Brat, and Rabbit pickup)
- (11) Auto based panel (cargo station wagon, auto based ambulance/hearse)
- (12) Large limousine - more than four side doors or stretched chassis
- (13) Three-wheel automobile or automobile derivative

### Utility Vehicles ( $\leq 4,500$ kgs GVWR)

- (14) Compact utility (Jeep CJ-2 - CJ-7, Scrambler, Golden Eagle, Renegade, Laredo, Wrangler, Cherokee [84 and after], Dispatcher, Raider, Bronco II, Bronco [76 and before], Explorer, S-10 Blazer, Geo Tracker, Bravada, S-15 Jimmy, Thing, Pathfinder, Trooper, Trooper II, Rodeo, Amigo, Navajo, 4-Runner, Montero, Samurai, Sidekick, Rocky)
- (15) Large utility (includes Jeep Cherokee [83 and before], Ramcharger, Trailduster, Bronco-fullsize [78 and after], fullsize Blazer, fullsize Jimmy, Landcruiser, Rover, Scout)
- (16) Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
- (19) Utility, unknown body type

### Van Based Light Trucks ( $\leq 4,500$ kgs GVWR)

- (20) Minivan (Chrysler Town and Country, Caravan, Grand Caravan, Voyager, Grand Voyager, Mini-Ram, Dodge/Plymouth Vista, Aerostar, Villager, Lumina APV, Trans Sport, Silhouette, Astro, Safari, Toyota Van, Toyota Minivan, Previa, Nissan Minivan, Quest, Mitsubishi Minivan, Vanagon/Camper.)
- (21) Large van (B150-B350, Sportsman, Royal, Maxiwagon, Ram, Tradesman, Voyager [83 and before], E150-E350, Econoline, Clubwagon, Chateau, G10-G30, Chevy Van, Beauville, Sport Van, G15-G35, Rally Van, Vandura.)
- (22) Step van or walk-in van ( $\leq 4,500$  kgs GVWR)
- (23) Van based motorhome ( $\leq 4,500$  kgs GVWR)
- (24) Van based school bus ( $\leq 4,500$  kgs GVWR)
- (25) Van based other bus ( $\leq 4,500$  kgs GVWR)
- (28) Other van type (Hi-Cube Van, Kary) (specify):
- (29) Unknown van type

### Light Conventional Trucks (Pickup style cab, $\leq 4,500$ kgs GVWR)

- (30) Compact pickup (D50, Colt P/U, Ram 50, Dakota, Arrow Pickup [foreign], Ranger, Courier, S-10, T-10, LUV, S-15, T-15, Sonoma, Datsun/Nissan Pickup, P'up, Mazda Pickup, Toyota Pickup, Mitsubishi Pickup)
- (31) Large Pickup (Jeep Pickup, Comanche, Ram Pickup, D100-D350, W100-W350, F100-F350, C10-C35, K10-K35, R10-R35, V10-V35, Silverado, Sierra, R100-R500.)

- (32) Pickup with slide-in camper
- (33) Convertible pickup
- (39) Unknown pickup style light conventional truck type

### Other Light Trucks ( $\leq 4,500$ kgs GVWR)

- (40) Cab chassis based (includes rescue vehicles, light stake, dump, and tow truck)
- (41) Truck based panel
- (42) Light truck based motorhome (chassis mounted)
- (45) Other light conventional truck type
- (48) Unknown light truck type
- (49) Unknown light vehicle type (automobile, utility, van, or light truck)

## OTHER VEHICLES

### Buses (Excludes Van Based)

- (50) School bus (designed to carry students, not cross country or transit)
- (58) Other bus type (e.g., transit, intercity, bus based motorhome) (specify):
- (59) Unknown bus type

### Medium/Heavy Trucks ( $> 4,500$ kgs GVWR)

- (60) Step van ( $> 4,500$  kgs GVWR)
- (61) Single unit straight truck ( $4,500$  kgs  $<$  GVWR  $\leq 8,850$  kgs)
- (62) Single unit straight truck ( $8,850$  kgs  $<$  GVWR  $\leq 12,000$  kgs)
- (63) Single unit straight truck ( $> 12,000$  kgs GVWR)
- (64) Single unit straight truck, GVWR unknown
- (65) Medium/heavy truck based motorhome
- (67) Truck-tractor with no cargo trailer
- (68) Truck-tractor pulling one trailer
- (69) Truck-tractor pulling two or more trailers
- (70) Truck-tractor (unknown if pulling trailer)
- (78) Unknown medium/heavy truck type
- (79) Unknown truck type (light/medium/heavy)

### Motored Cycles (Does Not Include All-Terrain Vehicles/Cycles)

- (80) Motorcycle
- (81) Moped (motorized bicycle)
- (82) Three-wheel motorcycle or moped
- (88) Other motored cycle (minibike, motorscooter) (specify):
- (89) Unknown motored cycle type

### Other Vehicles

- (90) ATV (All-Terrain Vehicle) and ATC (All-Terrain Cycle)
- (91) Snowmobile
- (92) Farm equipment other than trucks
- (93) Construction equipment other than trucks
- (97) Other vehicle type
- (99) Unknown body type

**OCCUPANT RELATED**

16. Driver Presence in Vehicle 1  
 (0) Driver not present  
 (1) Driver present  
 (9) Unknown
17. Number of Occupants This Vehicle 05  
 (00-96) Code actual number of occupants for this vehicle  
 (97) 97 or more  
 (99) Unknown
18. Number of Occupant Forms Submitted 05

**VEHICLE WEIGHT ITEMS**

19. Vehicle Curb Weight 1,520  
 Code weight to nearest 10 kilograms.  
 (045) Less than 450 kilograms  
 (610) 6,100 kilograms or more  
 (999) Unknown  
 \_\_\_\_\_ lbs X .4536 = \_\_\_\_\_ kgs  
 Source: \_\_\_\_\_
20. Vehicle Cargo Weight 0,000  
 Code weight to nearest 10 kilograms.  
 (000) Less than 5 kilograms  
 (450) 4,500 kilograms or more  
 (999) Unknown  
 \_\_\_\_\_ lbs X .4536 = \_\_\_\_\_ kgs

**RECONSTRUCTION DATA**

21. Towed Trailing Unit 0  
 (0) No towed unit  
 (1) Yes—towed trailing unit  
 (9) Unknown
22. Documentation of Trajectory Data for This Vehicle 1  
 (0) No  
 (1) Yes
23. Post Collision Condition of Tree or Pole (For Highest Delta V) 0  
 (0) Not collision (for highest delta V) with tree or pole  
 (1) Not damaged  
 (2) Cracked/sheared  
 (3) Tilted <45 degrees  
 (4) Tilted ≥45 degrees  
 (5) Uprooted tree  
 (6) Separated pole from base  
 (7) Pole replaced  
 (8) Other (specify): \_\_\_\_\_  
 (9) Unknown

24. Rollover 0  
 (0) No rollover (no overturning)  
*Rollover (primarily about the longitudinal axis)*  
 (1) Rollover, 1 quarter turn only  
 (2) Rollover, 2 quarter turns  
 (3) Rollover, 3 quarter turns  
 (4) Rollover, 4 or more quarter turns (specify): \_\_\_\_\_  
 (5) Rollover--end-over-end (i.e., primarily about the lateral axis)  
 (9) Rollover (overturn), details unknown

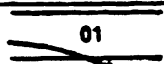





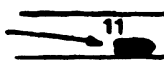


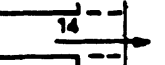
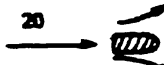
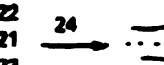
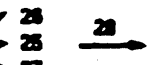
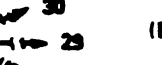
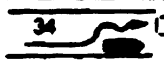


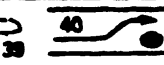
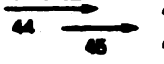
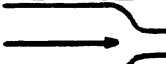
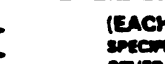

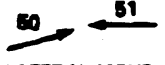










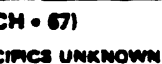

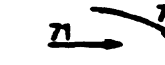
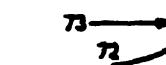



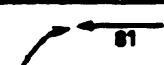

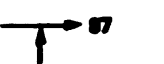



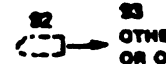



**OVERRIDE/UNDERRIDE (THIS VEHICLE)**

25. Front Override/Underride (this Vehicle) 0
26. Rear Override/Underride (this Vehicle) 0  
 (0) No override/underride, or not an end-to-end impact  
*Override (see specific CDC)*  
 (1) 1st CDC  
 (2) 2nd CDC  
 (3) Other not automated CDC (specify): \_\_\_\_\_  
*Underride (see specific CDC)*  
 (4) 1st CDC  
 (5) 2nd CDC  
 (6) Other not automated CDC (specify): \_\_\_\_\_  
 (7) Medium/heavy truck or bus override  
 (9) Unknown

**HEADING ANGLE AT IMPACT FOR HIGHEST DELTA V**

Values: (000)-(359) Code actual value  
 (997) Noncollision  
 (998) Impact with object  
 (999) Unknown

27. Heading Angle For This Vehicle 070
28. Heading Angle For Other Vehicle 270

Category	Configuration	ACCIDENT TYPES (Includes Intent)					
I Single Driver	A Right Roadside Departure	 01 DRIVE OFF ROAD	 02 CONTROL/ TRACTION LOSS	 03 AVOID COLLISION WITH VEH., PED., ANIM.	04 SPECIFICS OTHER	05 SPECIFICS UNKNOWN	
	B Left Roadside Departure	 06 DRIVE OFF ROAD	 07 CONTROL/ TRACTION LOSS	 08 AVOID COLLISION WITH VEH., PED., ANIM.	09 SPECIFICS OTHER	10 SPECIFICS UNKNOWN	
	C Forward Impact	 11 PARKED VEH.	 12 STA. OBJECT	 13 PEDESTRIAN/ ANIMAL	 14 END DEPARTURE	15 SPECIFICS OTHER	16 SPECIFICS UNKNOWN
II Same Trafficway Same Direction	D Rear-End	 20 STOPPED 21, 22, 23	 22 SLOWER 24, 25, 27	 24 DECEL. 26, 28, 31	 26 AVOID COLLISION WITH VEH.	(EACH • 32) SPECIFICS OTHER	(EACH • 33) SPECIFICS UNKNOWN
	E Forward Impact	 34 CONTROL/ TRACTION LOSS	 35 CONTROL/ TRACTION LOSS	 36 AVOID COLLISION WITH VEH.	 37 AVOID COLLISION WITH OBJECT	(EACH • 42) SPECIFICS OTHER	(EACH • 43) SPECIFICS UNKNOWN
	F Sideswipe Angle	 44 SIDESWIPE	 45 SIDESWIPE	 46 SIDESWIPE	 47 SIDESWIPE	(EACH • 48) SPECIFICS OTHER	(EACH • 49) SPECIFICS UNKNOWN
III Same Trafficway Opposite Direction	G Head-On	 50 LATERAL MOVE	 51 HEAD-ON	 52 HEAD-ON	 53 HEAD-ON	(EACH • 52) SPECIFICS OTHER	(EACH • 53) SPECIFICS UNKNOWN
	H Forward Impact	 54 CONTROL/ TRACTION LOSS	 55 CONTROL/ TRACTION LOSS	 56 AVOID COLLISION WITH VEH.	 57 AVOID COLLISION WITH OBJECT	(EACH • 52) SPECIFICS OTHER	(EACH • 53) SPECIFICS UNKNOWN
	I Sideswipe Angle	 64 LATERAL MOVE	 65 SIDESWIPE	 66 SIDESWIPE	 67 SIDESWIPE	(EACH • 62) SPECIFICS OTHER	(EACH • 63) SPECIFICS UNKNOWN
IV Change Trafficway Vehicle Turning	J Turn Across Path	 68 INITIAL OPPOSITE DIRECTIONS	 69 INITIAL SAME DIRECTIONS	 70 TURN ACROSS PATH	 71 TURN ACROSS PATH	(EACH • 74) SPECIFICS OTHER	(EACH • 75) SPECIFICS UNKNOWN
	K Turn Into Path	 72 TURN INTO SAME DIRECTION	 73 TURN INTO OPPOSITE DIRECTIONS	 74 TURN INTO PATH	 75 TURN INTO PATH	(EACH • 84) SPECIFICS OTHER	(EACH • 85) SPECIFICS UNKNOWN
V Intersecting Paths (Vehicle Damage)	L Straight Paths	 76 STRAIGHT PATHS	 77 STRAIGHT PATHS	 78 STRAIGHT PATHS	 79 STRAIGHT PATHS	(EACH • 80) SPECIFICS OTHER	(EACH • 81) SPECIFICS UNKNOWN
VI Miscellaneous	M Backing Etc.	 82 BACKING VEH.	 83 OTHER VEH. OR OBJECT	 84 Other Accident Type	 85 Unknown Accident Type	86 No Impact	



29. Basis for Total Delta V (highest)

4*Delta V Calculated*

- (1) CRASH program—damage only routine
- (2) CRASH program—damage and trajectory routine
- (3) Missing vehicle algorithm

*Delta V Not Calculated*

- (4) At least one vehicle (which may be this vehicle) is beyond the scope of an acceptable reconstruction program, regardless of collision conditions.
- (5) All vehicles within scope (CDC applicable) of CRASH program but one of the collision conditions is beyond the scope of the CRASH program or other acceptable reconstruction technique, regardless of adequacy of damage data.
- (6) All vehicle and collision conditions are within scope of one of the acceptable reconstruction programs, but there is insufficient data available.

Highest

32. Lateral Component of Delta V

+

9 9 9

\_\_\_\_\_ Nearest kph (highest)

\_\_\_\_\_ Nearest kph (secondary)

(NOTE: \_\_000 means greater than  
-0.5 kph and less than +0.5 kph)  
(±160) ±159.5 kph and above  
(\_\_999) Unknown

33. Energy Absorption

9 9 9 9 0 0

\_\_\_\_\_ Nearest 100 joules (highest)

\_\_\_\_\_ Nearest 100 joules (secondary)

(NOTE: 0000 means less than 50 joules)  
(9997) 999,650 joules or more  
(9999) Unknown

**COMPUTER GENERATED DELTA V**

30. Total Delta V

Highest

9 9 9

\_\_\_\_\_ Nearest kph (highest)

\_\_\_\_\_ Nearest kph (secondary)

(NOTE: 000 means less than  
0.5 kph)  
(160) 159.5 kph and above  
(999) Unknown

31. Longitudinal Component of  
Delta V

+

- 9 9 9

\_\_\_\_\_ Nearest kph (highest)

\_\_\_\_\_ Nearest kph (secondary)

(NOTE: \_\_000 means greater than  
-0.5 kph and less than +0.5 kph)  
(±160) ±159.5 kph and above  
(\_\_999) Unknown

34. Confidence In Reconstruction Program  
Results (For Highest Delta V)

(0) No reconstruction

(1) Collision fits model — results appear reasonable

(2) Collision fits model — results appear high

(3) Collision fits model — results appear low

(4) Borderline reconstruction — results appear reasonable

0

35. Type of Vehicle Inspection

(0) No inspection

(1) Complete inspection

(2) Partial inspection (specify):

1

36. Is this an AOPS Vehicle?

(0) No

(1) Yes - researcher determined

(2) VIN determined air bag system

(3) VIN determined automatic (passive) belts

(4) VIN determined air bag and automatic (passive) belts

0**IS OLDMISS APPLICABLE FOR THIS VEHICLE? [ ] YES [ ] NO****IF YES: IS A COMPLETED OLDMISS PROGRAM SUMMARY INCLUDED? [ ] YES [ ] NO**

37. Police Reported Other Drug Presence 0

- (0) No other drug(s) present
- (1) Yes [other drug(s) present]
- (7) Not reported
- (8) No driver present
- (9) Unknown

38. Police Reported Drug Evaluation Classification (DEC) Test For Driver 0

- (0) No DEC process available or given
- (1) DEC process given, results known
- (2) DEC process given, results unknown
- (3) DEC process available, unknown if given
- (8) No driver present

39. Other Drug Specimen Test Type For Driver 0

- (0) No specimen test given
- (1) Blood test
- (2) Urine test
- (3) Other specimen tests (specify): \_\_\_\_\_
- (7) Unspecified specimen test
- (8) No driver present
- (9) Unknown if specimen test given

### DRUG EVALUATION CLASSIFICATION

#### OTHER DRUGS TEST RESULTS FOR DRIVER

	DEC Test Results	Specimen Test Results
Narcotic Drug	40. <u>0</u>	41. <u>0</u>
Depressant Drug	42. <u>/</u>	43. <u>/</u>
Stimulant Drug	44. <u>/</u>	45. <u>/</u>
Hallucinogen Drug	46. <u>/</u>	47. <u>/</u>
Cannabinoid Drug	48. <u>/</u>	49. <u>/</u>
Phencyclidine (PCP)	50. <u>/</u>	51. <u>/</u>
Inhalant Drug	52. <u>/</u>	53. <u>/</u>
Other Drug (Excluding Nicotine, Aspirin, Alcohol, Drugs Administered Post-Crash)	54. <u>/</u>	55. <u>/</u>

## Codes For DEC Test Results

- (0) No DEC test given
- (1) Passed DEC test
- (2) Failed DEC test
- (3) DEC test given—results unknown
- (8) No driver present
- (9) Unknown if DEC test given

## Codes for Specimen Test Results

- (0) No specimen test given
- (1) Drug not found in specimen
- (2) Drug found in specimen
- (7) Specimen test given, results unknown or not obtained
- (8) No driver present
- (9) Unknown if specimen test given

## OTHER DATA

## 56. Driver's Zip Code

- (00000) Driver not present  
(00001) Driver not a resident of U.S. or territories  
Code actual 5-digit zip code  
(99999) Unknown

## 57. Driver's Race/Ethnic Origin

- (0) Driver not present  
(1) White (non-Hispanic)  
(2) Black (non-Hispanic)  
(3) White (Hispanic)  
(4) Black (Hispanic)  
(5) American Indian, Eskimo or Aleut  
(6) Asian or Pacific Islander  
(8) Other (specify):

(9) Unknown

## 58. Vehicle Special Use (This Trip)

- (0) No special use  
(1) Taxi  
(2) Vehicle used as school bus  
(3) Vehicle used as other bus  
(4) Military  
(5) Police  
(6) Ambulance  
(7) Fire truck or car  
(8) Other (specify):  
(9) Unknown

## ROLLOVER DATA

If GV07 (Body Type)  $\neq$  1-49, leave GV59-GV63 blank.  
If GV24 (Rollover) = 0, then GV59-GV63 must equal 0.  
If GV24 = 9, then GV59-GV63 must equal 9.

## 59. Rollover Initiation Type

- (0) No rollover  
(1) Trip-over  
(2) Flip-over  
(3) Turn-over  
(4) Climb-over  
(5) Fall-over  
(6) Bounce-over  
(7) Collision with another vehicle  
(8) Other rollover initiation type specify):

(9) Unknown rollover initiation type

## 60. Location of Rollover Initiation

- (0) No rollover  
(1) On roadway  
(2) On shoulder—paved  
(3) On shoulder—unpaved  
(4) On roadside or divided trafficway median  
(9) Unknown

## 61. Rollover Initiation Object Contacted

## 62. Location on Vehicle Where Initial Principal Tripping Force Is Applied

- (0) No rollover  
(1) Wheels/tires  
(2) Side plane  
(3) End plane  
(4) Undercarriage  
(5) Other location on vehicle (specify):  
(8) Non-contact rollover forces (specify):  
(9) Unknown

## 63. Direction of Initial Roll

- (0) No rollover  
(1) Roll right - primarily about the longitudinal axis  
(2) Roll left - primarily about the longitudinal axis  
(5) End-over-end (i.e., primarily about the lateral axis)  
(9) Unknown roll direction

## PRECRASH DATA

## 64. Pre-Event Movement (Prior to Recognition of Critical Event)

- (01) Going straight  
(02) Slowing or stopping in traffic lane  
(03) Starting in traffic lane  
(04) Stopped in traffic lane  
(05) Passing or overtaking another vehicle  
(06) Disabled or parked in travel lane  
(07) Leaving a parking position  
(08) Entering a parking position  
(09) Turning right  
(10) Turning left  
(11) Making a U-turn  
(12) Backing up (other than for parking position)  
(13) Negotiating a curve  
(14) Changing lanes  
(15) Merging  
(16) Successful avoidance maneuver to a previous critical event  
(97) Other (specify):  
(98) No driver present  
(99) Unknown



## PRECRASH DATA (Continued)

65. Critical Precrash Event 16*This Vehicle Loss of Control Due To:*

- (01) Blow out or flat tire
- (02) Stalled engine
- (03) Disabling vehicle failure (e.g., wheel fell off) (specify): \_\_\_\_\_
- (04) Non-disabling vehicle problem (e.g., hood flew up) (specify): \_\_\_\_\_
- (05) Poor road conditions (puddle, pot hole, ice, etc.) (specify): \_\_\_\_\_
- (06) Traveling too fast for conditions
- (08) Other cause of control loss (specify): \_\_\_\_\_
- (09) Unknown cause of control loss

*This Vehicle Traveling*

- (10) Over the lane line on left side of travel lane
- (11) Over the lane line on right side of travel lane
- (12) Off the edge of the road on the left side
- (13) Off the edge of the road on the right side
- (14) End departure
- (15) Turning left at intersection
- (16) Turning right at intersection
- (17) Crossing over (passing through) intersection
- (19) Unknown travel direction

*Other Motor Vehicle In Lane*

- (50) Stopped
- (51) Traveling in same direction with lower speed (i.e., lower steady speed or decelerating)
- (52) Traveling in same direction with higher speed
- (53) Traveling in opposite direction
- (54) In crossover
- (55) Backing
- (59) Unknown travel direction of other motor vehicle in lane

*Other Motor Vehicle Encroaching Into Lane*

- (60) From adjacent lane (same direction)—over left lane line
- (61) From adjacent lane (same direction)—over right lane line
- (62) From opposite direction—over left lane line
- (63) From opposite direction—over right lane line
- (64) From parking lane
- (65) From crossing street, turning into same direction
- (66) From crossing street, across path
- (67) From crossing street, turning into opposite direction
- (68) From crossing street, intended path not known
- (70) From driveway, turning into same direction
- (71) From driveway, across path
- (72) From driveway, turning into opposite direction
- (73) From driveway, intended path not known
- (74) From entrance to limited access highway
- (78) Encroachment by other vehicle—details unknown

*Pedestrian or Pedalcyclist, or Other Nonmotorist*

- (80) Pedestrian in roadway
- (81) Pedestrian approaching roadway
- (82) Pedestrian—unknown location
- (83) Pedalcyclist or other nonmotorist in roadway (specify): \_\_\_\_\_
- (84) Pedalcyclist or other nonmotorist approaching roadway (specify): \_\_\_\_\_
- (85) Pedalcyclist or other nonmotorist—unknown location (specify): \_\_\_\_\_

*Object or Animal*

- (87) Animal in roadway
- (88) Animal approaching roadway
- (89) Animal—unknown location
- (90) Object in roadway
- (91) Object approaching roadway
- (92) Object—unknown location

(98) Other critical precrash event (specify): \_\_\_\_\_

(99) Unknown

For Corrective Actions Attempted see variable GV14 (Attempted Avoidance Maneuver)

66. Precrash Stability After Avoidance Maneuver 1

- (0) No avoidance maneuver
- (1) Tracking
- (2) Skidding longitudinally—rotation less than 30 degrees
- (3) Skidding laterally—clockwise rotation
- (4) Skidding laterally—counterclockwise rotation
- (7) Other vehicle loss-of-control (specify): \_\_\_\_\_
- (8) No driver present
- (9) Precrash stability unknown

67. Precrash Directional Consequences of Avoidance Maneuver (Corrective Action) 0

- (0) No avoidance maneuver
- (1) Vehicle stayed in travel lane where avoidance maneuver was initiated
- (2) Vehicle stayed on roadway but left travel lane where avoidance maneuver was initiated
- (3) Vehicle stayed on roadway, not known if left travel lane where avoidance maneuver was initiated
- (4) Vehicle departed roadway
- (5) Avoidance maneuver initiated off roadway
- (8) No driver present
- (9) Directional consequences unknown

\*\*\* IF THE CDS APPLICABLE VEHICLE WAS NOT INSPECTED (I.E., GV35 = 0), \*\*\*  
DO NOT COMPLETE THE EXTERIOR AND INTERIOR VEHICLE FORMS.

\*\*\* IF GV07 DOES NOT EQUAL 01-49, DO NOT COMPLETE \*\*\*  
THE EXTERIOR VEHICLE, INTERIOR VEHICLE,  
OCCUPANT ASSESSMENT, AND OCCUPANT INJURY FORMS.

## EXTERIOR VEHICLE FORM

**NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM**

1. Primary Sampling Unit Number <u>    </u> 2. Case Number - Stratum <u>94-22</u>		3. Vehicle Number <u>01</u>
--	--	-----------------------------

## VEHICLE IDENTIFICATION

VIN 1G3WH54T5PD (Serial # omitted) Model Year 93  
Vehicle Make (specify): Oldsmobile Vehicle Model (specify): Cutlass Supreme

## LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line or bumper corner for end impacts or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	Entire frontal plane	Entire Frontal Plane

### CRUSH PROFILE IN CENTIMETERS

NOTES: Identify the plane at which the C-measurements are taken (e.g., at bumper, above bumper, at sill, above sill, etc.) and label adjustments (e.g., free space).

**Measure and document on the vehicle diagram the location of maximum crush.**

Measure C1 to C6 from driver to passenger side in front or rear impacts and rear to front in side impacts.

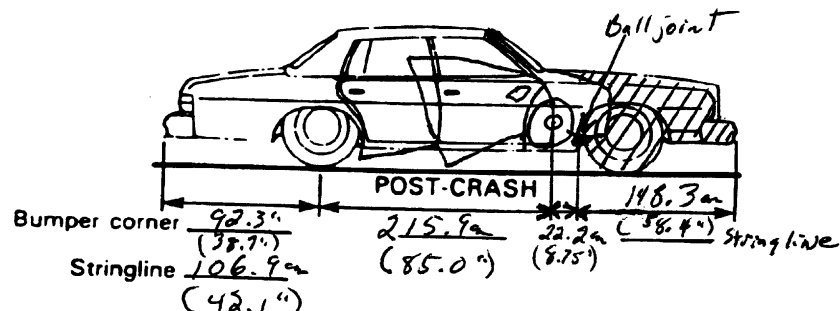
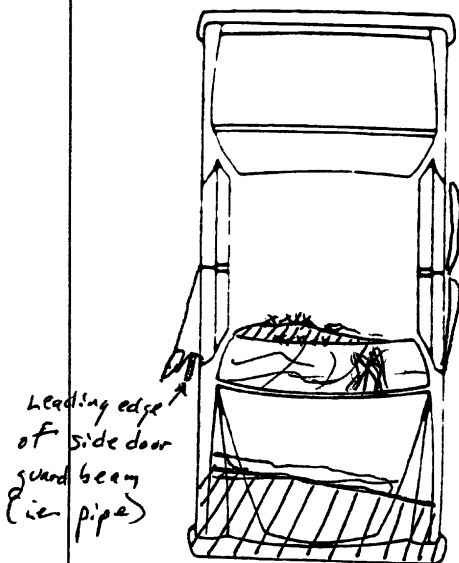
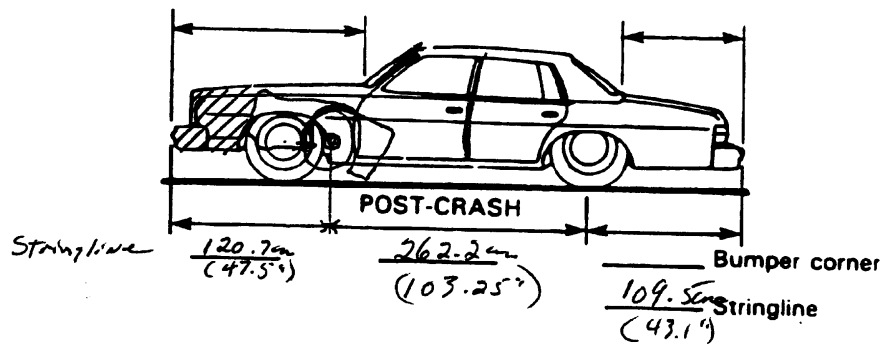
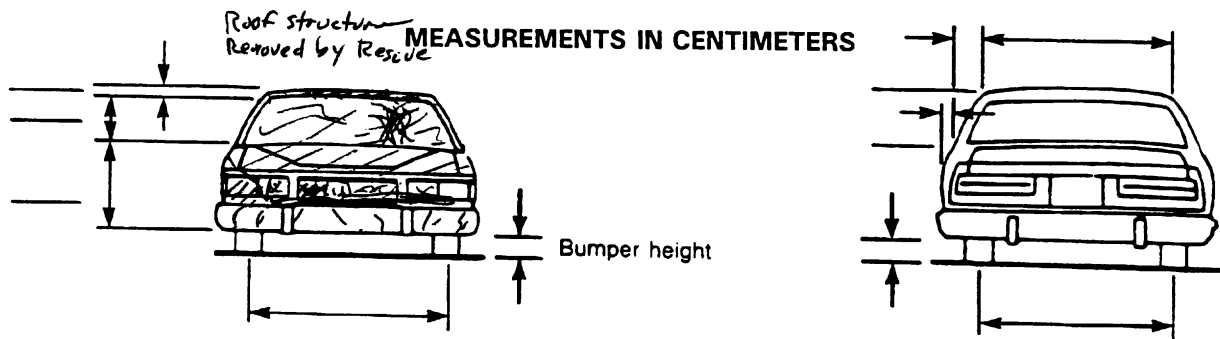
Free space value is defined as the distance between the baseline and the original body contour taken at the individual C locations. This may include the following: bumper lead, bumper taper, side protrusion, side taper, etc. Record the value for each C-measurement and maximum crush.

Use as many lines/columns as necessary to describe each damage profile.

[illegible]

## VEHICLE DAMAGE SKETCH

<b>TIRE—WHEEL DAMAGE</b> a. Rotation physically restricted RF <u>1</u> LF <u>1</u> RR <u>2</u> LR <u>2</u> (1) Yes (2) No (8) NA (9) Unk.		<b>b. Tire deflated</b> RF <u>2</u> LF <u>2</u> RR <u>2</u> LR <u>2</u> (1) Yes (2) No (8) NA (9) Unk.		<b>ORIGINAL SPECIFICATIONS</b> Wheelbase <u>(107.5") 273.1</u> cm Overall Length <u>(193.7") 492.2</u> cm Maximum Width <u>(71.0") 180.3</u> cm Curb Weight <u>(3,354 lb) 1,521.4</u> kg Average Track <u>(58.25") 149.2</u> cm Front Overhang <u>(43.1") 109.5</u> cm Rear Overhang <u>(43.1") 109.5</u> cm Undeformed End Width <u>(65.0") 165.1</u> cm Engine Size: cyl./displ. <u>3.1</u> L		<b>WHEEL STEER ANGLES</b> (For locked front wheels or displaced rear axles only) RF <u>0</u> <u>5</u> ° LF <u>0</u> <u>3</u> ° RR <u>0</u> <u>2</u> ° LR <u>0</u> <u>0</u> ° Within ± 5 degrees	
<b>TYPE OF TRANSMISSION</b> <input type="checkbox"/> Manual <input checked="" type="checkbox"/> Automatic				<b>DRIVE WHEELS</b> <input checked="" type="checkbox"/> FWD <input type="checkbox"/> RWD <input type="checkbox"/> 4WD			
				Approximate Cargo Weight <u>(50 lb)</u> kg			



NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page.

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.



**CODES FOR OBJECT CONTACTED**

(57) Fence

(58) Wall

- (59) Build

- (60) Ditch or culvert

- (61) Ground**

- (62) Fire hydrant

- (63) Curb

- (64) **Bridge**

- (68) Other fixed object (specify):

- (69) Unknown fixed object

### Collision with Nonfixed Object

- (71) Motor vehicle not in-transport

- (72) Pedestrian**

- (73) Cyclist or cycle

- (74) Other nonmotorist or conveyance

- (75) Vehicle occupant

- (76) Animal**

- (77) Train

(78) Trailer, disconnected in transport

- (79) Object fell from vehicle in-transport

- (88) Other nonfixed object (specify):

- (89) Unknown nonfixed object

- (98) Other event (specify):

- (99) Unknown event or object

[illegible]

## COLLISION DEFORMATION CLASSIFICATION

## HIGHEST DELTA "V"

Accident Event Sequence Number	Object Contacted	(1) (2) Direction of Force	(3) Deformation Location	(4) Longitudinal or Lateral Location	(5) Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation Extent
4. <u>01</u>	5. <u>02</u>	6. <u>12</u>	7. <u>F</u>	8. <u>D</u>	9. <u>A</u>	10. <u>A</u>	11. <u>07</u>

## Second Highest Delta "V"

12. _____	13. _____	14. _____	15. _____	16. _____	17. _____	18. _____	19. _____
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

## CRUSH PROFILE IN CENTIMETERS

The crush profile for the damage described in the CDC(s) above should be documented in the appropriate space below. (ALL MEASUREMENTS ARE IN CENTIMETERS.)

## HIGHEST DELTA "V"

20. L	21. C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	22. ±D
<u>165</u>	<u>040</u>	<u>049</u>	<u>061</u>	<u>071</u>	<u>078</u>	<u>088</u>	<u>+</u> <u>- 000</u>

## Second Highest Delta "V"

23. L	24. C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	25. ±D
_____	_____	_____	_____	_____	_____	_____	<u>+</u> <u>-</u>

26. Are CDCs Documented but Not Coded on The Automated File? 0  
(0) No  
(1) Yes

27. Researcher's Assessment of Vehicle Disposition  
(0) Not towed due to vehicle damage  
(1) Towed due to vehicle damage  
(9) Unknown +

28. Original Wheelbase 273  
Code to the nearest centimeter  
(999) Unknown

\_\_\_\_\_ inches X 2.54 = \_\_\_\_\_ centimeters

29. Is This A Multi-Stage Manufactured Vehicle  
And/Or A Certified Altered Vehicle? 0

- (0) No post manufacturer modifications  
(1) Yes - post manufacturer modifications  
(specify): \_\_\_\_\_

(Include photograph of CERTIFICATION  
PLACARD in case report)

(9) Unknown if vehicle is modified

30. Fire Occurrence 1

(0) No fire

Yes, fire occurred

- (1) Minor  
(2) Major  
(9) Unknown

31. Origin of Fire 4

- (0) No fire  
(1) Vehicle exterior (front, side, back, top)  
(2) Exhaust system  
(3) Fuel tank (and other fuel retention  
system parts)  
(4) Engine compartment  
(5) Cargo/trunk compartment  
(6) Instrument panel  
(7) Passenger compartment area  
(8) Other location (specify): \_\_\_\_\_

(9) Unknown

32. Type of Fuel Tank-1 1

33. Type of Fuel Tank-2 0

- (0) No fuel tank (electrical vehicle)  
(1) Metallic  
(2) Non-metallic  
(9) Unknown

34. Fuel Tank-1 Location 4

35. Fuel Tank-2 Location 0

- (0) No fuel tank  
(1) Aft of center of the rear wheels (rear axle)  
centered  
(2) Aft of center of the rear wheels (rear axle)  
left side  
(3) Aft of center of the rear wheels (rear axle)  
right side  
(4) Forward of center of the rear wheels (rear  
axle) centered  
(5) Forward of center of the rear wheels (rear  
axle) left side  
(6) Forward of center of the rear wheels (rear  
axle) right side  
(7) Over center of the rear wheels (rear axle)  
(8) Other (specify): \_\_\_\_\_

(9) Unknown

36. Fuel Tank-1 Filler Cap Location 2

37. Fuel Tank-2 Filler Cap Location 0

- (0) No fuel tank  
(1) On back plane  
(2) Aft of center of the rear wheels (rear axle) on  
left side plane  
(3) Aft of center of the rear wheels (rear axle) on  
right side plane  
(4) Forward of center of the rear wheels (rear  
axle) on left side plane  
(5) Forward of center of the rear wheels (rear  
axle) on right side plane  
(6) Over the center of the rear wheels (rear axle)  
on left side plane  
(7) Over the center of the rear wheels (rear axle)  
on right side plane  
(8) Other (specify): \_\_\_\_\_  
(9) Unknown

38. Fuel Tank-1 Damage 1

39. Fuel Tank-2 Damage 0

- (0) No fuel tank  
(1) No damage to fuel tank  
(2) Deformed, no seam failure  
(3) Deformed, with a seam failure  
(4) Punctured  
(5) Lacerated (ripped)  
(6) Abraded (scraped)  
(7) Filler neck separation from the fuel tank  
(8) Other damage (specify): \_\_\_\_\_

(9) Unknown



40. Location of Fuel System-1 Leakage

\* 5

41. Location of Fuel System-2 Leakage

0

(0) No fuel tank

(1) No fuel leakage

*Primary Area Of Leakage*

(2) Tank

(3) Filler neck

(4) Cap

(5) Lines/pump/filter \* *Engine Compartment*

(6) Vent/emission recovery

(8) Other (specify):

(9) Unknown

42. Fuel Type-1

0 1

43. Fuel Type-2

0 0*Single Fuel Type*

(00) No fuel tank

(01) Gasoline

(02) Diesel

(03) CNG (Compressed Natural Gas)

(04) LPG (Liquid Petroleum Gas) also known as Propane

(05) LNG (Liquid Natural Gas)

(06) Methanol (M100 or M85)

(07) Ethanol (E100 or E85)

(08) Other (Hydrogen or others) (specify):

*Electric Powered or Electric/Solar Powered Vehicles*

(10) Lead Acid Battery

(11) Nickel-Iron Battery

(12) Nickel-Cadmium Battery

(13) Sodium Metal Chloride Battery

(14) Sodium Sulfur Battery

(18) Other (Specify):

(98) Other Hybrid (specify):

(99) Unknown fuel type

44. Is This Vehicle Equipped With More Than Two Fuel Tanks?

0

(0) No (one or two tanks only)

*Yes - More Than Two Tanks*(1) Yes -- no damage to any tank or filler cap and no fuel system leakage(2) Yes -- no damage to any tank or filler cap but there is fuel system leakage (specify leakage location):(3) Yes -- damage to an additional tank or filler cap and there is fuel system leakage (specify the following):

Type of tank

Tank location

Filler cap location

Tank damage

Location of leakage

Type of fuel

(9) Unknown if more than two tanks

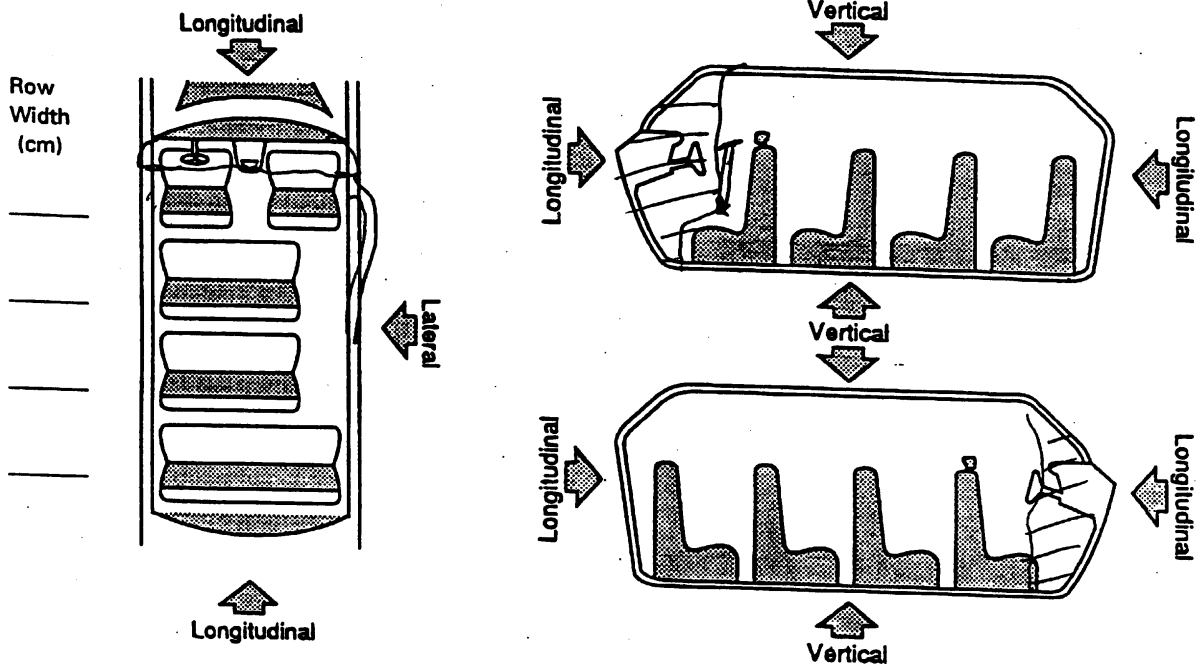
**COMMENTS**

\*\*\* STOP: IF THE CDS APPLICABLE VEHICLE WAS NOT TOWED AND WAS NOT AN AOPS \*\*\*  
 (I.E., GV09 = 0 OR 9 AND GV36 = 0), DO NOT COMPLETE THE INTERIOR VEHICLE FORM.



# INTRUSION WORKSHEET

Note: Sketch intruded areas



LOCATION OF INTRUSION	INTRUDED COMPONENT	(All Measurements Are In Centimeters)			DOMINANT CRUSH DIRECTION
		COMPARISON VALUE	INTRUDED VALUE	INTRUSION	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	

Document no more than the 15 most severe intrusions



## OCCUPANT AREA INTRUSION

Note: If no intrusions, leave variables IV47-IV86 blank.

	Location of Intrusion	Intruding Component	Magnitude of Intrusion	Dominant Crush Direction
1st	47. <u>97</u>	48. <u>97</u>	49. <u>7</u>	50. <u>7</u>
2nd	51. _____	52. _____	53. _____	54. _____
3rd	55. _____	56. _____	57. _____	58. _____
4th	59. _____	60. _____	61. _____	62. _____
5th	63. _____	64. _____	65. _____	66. _____
6th	67. _____	68. _____	69. _____	70. _____
7th	71. _____	72. _____	73. _____	74. _____
8th	75. _____	76. _____	77. _____	78. _____
9th	79. _____	80. _____	81. _____	82. _____
10th	83. _____	84. _____	85. _____	86. _____

## INTRUDING COMPONENT

*Interior Components*

- (01) Steering assembly
- (02) Instrument panel left
- (03) Instrument panel center
- (04) Instrument panel right
- (05) Toe pan
- (06) A (A1/A2)-pillar
- (07) B-pillar
- (08) C-pillar
- (09) D-pillar
- (10) Door panel (side)
- (12) Roof (or convertible top)
- (13) Roof side rail
- (14) Windshield
- (15) Windshield header
- (16) Window frame
- (17) Floor pan (includes sill)
- (18) Backlight header
- (19) Front seat back
- (20) Second seat back
- (21) Third seat back
- (22) Fourth seat back
- (23) Fifth seat back
- (24) Seat cushion
- (25) Back door/panel (e.g., tailgate)
- (26) Other interior component (specify): \_\_\_\_\_

- (27) Side panel - forward of the A (A2)-pillar
- (28) Side panel - rear of the A (A2)-pillar

*Exterior Components*

- (30) Hood
- (31) Outside surface of this vehicle (specify): \_\_\_\_\_
- (32) Other exterior object in the environment (specify): \_\_\_\_\_
- (33) Unknown exterior object
- (97) Catastrophic
- (98) Intrusion of unlisted component(s) (specify): \_\_\_\_\_
- (99) Unknown

## LOCATION OF INTRUSION

- Front Seat
- (11) Left
  - (12) Middle
  - (13) Right

- Second Seat
- (21) Left
  - (22) Middle
  - (23) Right

- Third Seat
- (31) Left
  - (32) Middle
  - (33) Right

- Fourth Seat
- (41) Left
  - (42) Middle
  - (43) Right

- (97) Catastrophic
- (98) Other enclosed area (specify) \_\_\_\_\_

- (99) Unknown

## MAGNITUDE OF INTRUSION

- (1)  $\geq 3$  centimeters but  $< 8$  centimeters
- (2)  $\geq 8$  centimeters but  $< 15$  centimeters
- (3)  $\geq 15$  centimeters but  $< 30$  centimeters
- (4)  $\geq 30$  centimeters but  $< 46$  centimeters
- (5)  $\geq 46$  centimeters but  $< 61$  centimeters
- (6)  $\geq 61$  centimeters
- (7) Catastrophic
- (9) Unknown

## DOMINANT CRUSH DIRECTION

- (1) Vertical
- (2) Longitudinal
- (3) Lateral
- (7) Catastrophic
- (9) Unknown

## STEERING RIM/SPOKE DEFORMATION

(All Measurements Are in Centimeters)

COMPARISON VALUE

—

DAMAGE VALUE

=

DEFORMATION

—

=

—

=

—

=

—

=

**STEERING COLUMN**

87. Steering Column Type 2
- (1) Fixed column  
 (2) Tilt column  
 (3) Telescoping column  
 (4) Tilt and telescoping column  
 (8) Other column type (specify): \_\_\_\_\_  
 (9) Unknown \_\_\_\_\_

88. Blank X X  
 (This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.

89. Blank X X X  
 (This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.

90. Blank X X X  
 (This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.

91. Blank X X X  
 (This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.

92. Steering Rim/Spoke Deformation 1 5  
 Code actual measured deformation to the nearest centimeter  
 (00) No steering rim deformation  
 (01-14) Actual measured value in centimeters  
 (15) 15 centimeters or more  
 (98) Observed deformation cannot be measured  
 (99) Unknown

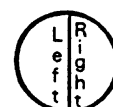
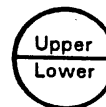
93. Location of Steering Rim/Spoke Deformation 0 9  
 (00) No steering rim deformation

*Quarter Sections*

- (01) Section A  
 (02) Section B  
 (03) Section C  
 (04) Section D

*Half Sections*

- (05) Upper half of rim/spoke  
 (06) Lower half of rim/spoke  
 (07) Left half of rim/spoke  
 (08) Right half of rim/spoke



- (09) Complete steering wheel collapse  
 (10) Undetermined location  
 (99) Unknown

**INSTRUMENT PANEL**

94. Odometer Reading 999,000

\_\_\_\_\_ kilometers—Code to the nearest 1,000 kilometers

- (000) No odometer  
 (001) Less than 1,500 kilometers  
 (500) 499,500 kilometers or more  
 (999) Unknown

*Odometer Detached*  
*Estimated Veh had ~ 19,300 km*  
 \_\_\_\_\_ miles X 1.6093 = \_\_\_\_\_ kilometers

Source: \_\_\_\_\_

95. Instrument Panel Damage from Occupant Contact? 1  
 (0) No  
 (1) Yes  
 (9) Unknown

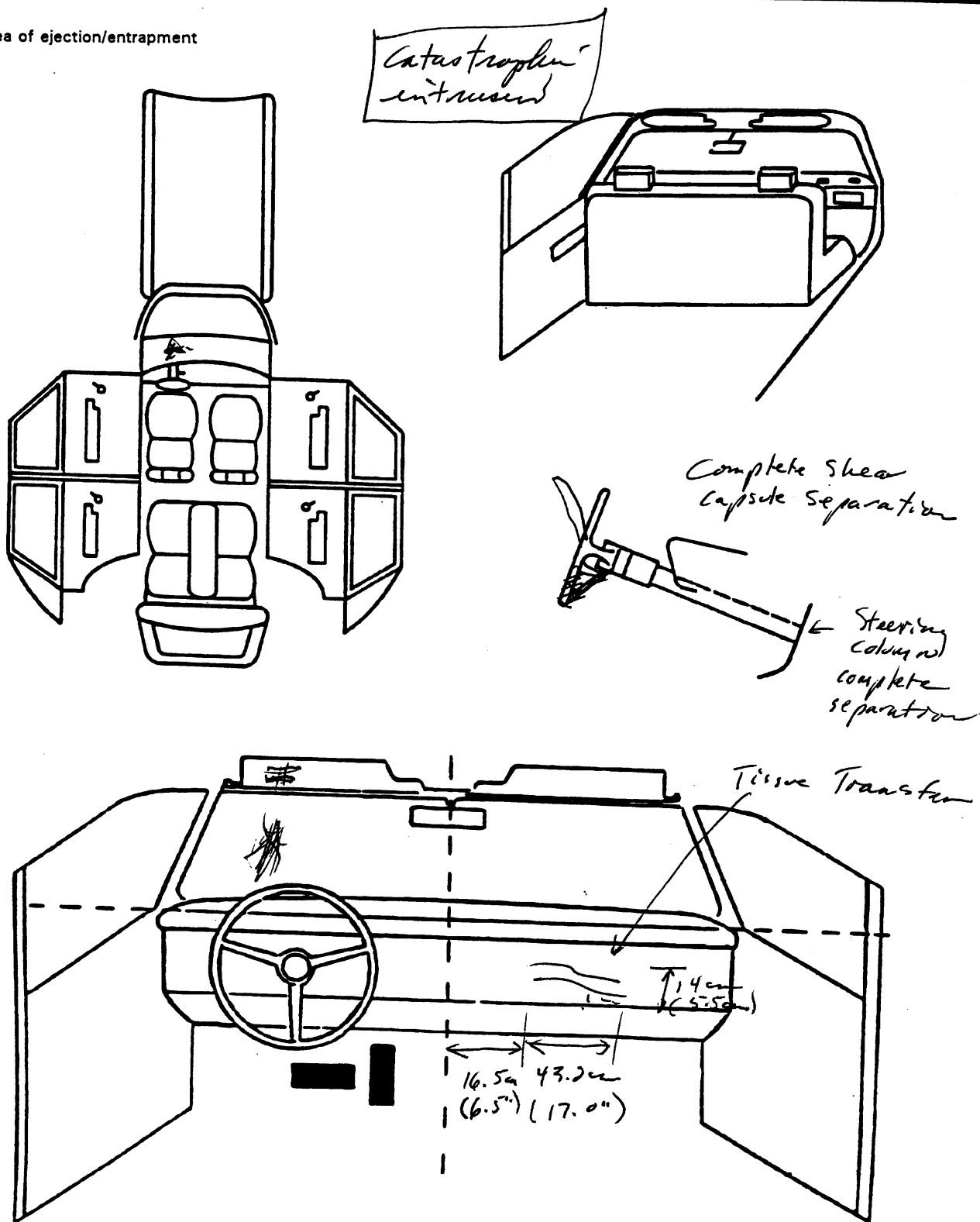
96. Knee Bolsters Deformed from Occupant Contact? 8  
 (0) No  
 (1) Yes  
 (8) Not present  
 (9) Unknown

97. Did Glove Compartment Door Open During Collision(s)? +  
 (0) No  
 (1) Yes  
 (8) Not present  
 (9) Unknown



## VEHICLE INTERIOR SKETCHES

Note area of ejection/entrapment



Sketch windshield contact(s) and the damaged area(s) on the instrument panel outline (e.g., radio, glove compartment, damage to instrument panel structure).

Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

## POINTS OF OCCUPANT CONTACT

Contact	Interior Component Contacted	Occupant No. If Known	Body Region If Known	Supporting Physical Evidence	Confidence Level of Contact Point
A					
B					
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					
N					

## CODES FOR INTERIOR COMPONENTS

## FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify): \_\_\_\_\_
- (19) Other front object (specify): \_\_\_\_\_

## LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar

- (23) Left B-pillar

- (24) Other left pillar (specify): \_\_\_\_\_

- (25) Left side window glass or frame

- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.

- (27) Other left side object (specify): \_\_\_\_\_

- (28) Left side window sill

## RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests

- (31) Right side hardware or armrest

- (32) Right A (A1/A2)-pillar

- (33) Right B-pillar

- (34) Other right pillar (specify): \_\_\_\_\_

- (35) Right side window glass or frame

- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B pillar, or roof side rail.

- (37) Other right side object (specify): \_\_\_\_\_

- (38) Right side window sill

## INTERIOR

- (40) Seat, back support

- (41) Belt restraint webbing/buckle

- (42) Belt restraint B-pillar attachment point

- (43) Other restraint system component (specify): \_\_\_\_\_

- (44) Head restraint system

- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)

- (46) Other occupants (specify): \_\_\_\_\_

- (47) Interior loose objects

- (48) Child safety seat (specify): \_\_\_\_\_

- (49) Other interior object (specify): \_\_\_\_\_

## ROOF

- (50) Front header

- (51) Rear header

- (52) Roof left side rail

- (53) Roof right side rail

- (54) Roof or convertible top

## FLOOR

- (56) Floor (including toe pan)

- (57) Floor or console mounted transmission lever, including console

- (58) Parking brake handle

- (59) Foot controls including parking brake

## REAR

- (60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.

- (62) Other rear object (specify): \_\_\_\_\_

## CONFIDENCE LEVEL OF CONTACT POINT

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

## AUTOMATIC RESTRAINTS

**NOTES:** Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

### AIR BAGS

		Left	Right
F I R S T	Availability/Function	0	0
	Deployment		
	Failure	/	/

#### Air Bag System Availability/Function

- (0) Not equipped/not available  
(1) Air bag

#### Non-functional

- (2) Air bag disconnected (specify):  
\_\_\_\_\_  
(3) Air bag not reinstalled  
(9) Unknown

#### Air Bag System Deployment

- (0) Not equipped/not available  
(1) Air bag deployed during accident (as a result of impact)  
(2) Air bag deployed inadvertently just prior to accident  
(3) Air bag deployed, accident sequence undetermined  
(4) Nondeployed  
(5) Unknown if deployed  
(6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)  
(9) Unknown

#### Are There Indications of Air Bag System Failure?

- (0) Not equipped/not available  
(1) No  
(2) Yes (specify):  
\_\_\_\_\_  
(9) Unknown

### AUTOMATIC BELTS

		Left	Right
F I R S T	Availability/Function	2	2
	Use	2	
	Type	1	1
	Proper Use	1	2
	Failure Modes	0	1

#### Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available  
(1) 2 point automatic belts  
(2) 3 point automatic belts  
(3) Automatic belts - type unknown

#### Non-functional

- (4) Automatic belts destroyed or rendered inoperative  
(9) Unknown

#### Automatic (Passive) Belt System Use

- (0) Not equipped/not available/destroyed or rendered inoperative  
(1) Automatic belt in use  
(2) Automatic belt not in use (manually disconnected, motorized track inoperative)  
(3) Automatic belt use unknown  
(9) Unknown

#### Automatic (Passive) Belt System Type

- (0) Not equipped/not available  
(1) Non-motorized system  
(2) Motorized system  
(9) Unknown

#### Proper Use of Automatic (Passive) Belt System

- (0) Not equipped/not available/not used  
(1) Automatic belt used properly  
(2) Automatic belt used properly with child safety seat

#### Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under arm  
(4) Automatic shoulder belt worn behind back  
(5) Automatic belt worn around more than one person  
(6) Lap portion of automatic belt worn on abdomen  
(7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):  
\_\_\_\_\_  
(8) Other improper use of automatic belt system (specify):  
\_\_\_\_\_  
(9) Unknown

#### Automatic (Passive) Belt Failure Modes During Accident

- (0) Not equipped/not available/not in use  
(1) No automatic belt failure(s)  
(2) Torn webbing (stretched webbing not included)  
(3) Broken buckle or latchplate  
(4) Upper anchorage separated  
(5) Other anchorage separated (specify):  
\_\_\_\_\_  
(6) Broken retractor  
(7) Combination of above (specify):  
(8) Other automatic belt failure (specify):  
\_\_\_\_\_  
(9) Unknown



## MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a Child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page.

		Left	Center	Right
FIRST	Availability		3	
	Evidence of usage		00	
	Used in this crash?			
	Proper Use			
	Failure Modes			
SECOND	Availability	04	03	04
	Evidence of usage	04	03	04
	Used in this crash?	04	03	04
	Proper Use	4	03	00
	Failure Modes	1	1	07
OTHER	Availability		1	0
	Evidence of usage			
	Used in this crash?			
	Proper Use			
	Failure Modes			

## Manual (Active) Belt System Availability

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available - type unknown

## Integral Belt Partially Destroyed

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)

(8) Other belt (specify):

(9) Unknown

## Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperable (specify):

- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used - type unknown
- (08) Other belt used (specify):

- (12) Shoulder belt used with child safety seat
- (13) Lap belt used with child safety seat
- (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat - type unknown
- (18) Other belt used with child safety seat (specify):
- (99) Unknown if belt used

## Proper Use of Manual (Active) Belts

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

## Belt Used Improperly

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):

(8) Other improper use of manual belt system (specify):

(9) Unknown

## Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):

- (6) Broken retractor
- (7) Combination of above (specify):

(8) Other manual belt failure (specify):

(9) Unknown

## CHILD SAFETY SEAT FIELD ASSESSMENT

When a child safety seat is present enter the occupant's number in the first row and complete the column below the occupant's number using the codes listed below. Complete a column for each child safety seat present.

Occupant Number	02					
1. Type of Child Safety Seat	3					
2. Child Safety Seat Orientation	12					
3. Child Safety Seat Harness Usage	12					
4. Child Safety Seat Shield Usage	12					
5. Child Safety Seat Tether Usage	03					
6. Child Safety Seat Make/Model	<i>Century Safety Car Seat</i> Specify Below for Each Child Safety Seat <i>300</i>					

1. Type of Child Safety Seat
- (0) No child safety seat
- (1) Infant seat
- (2) Toddler seat
- (3) Convertible seat
- (4) Booster seat
- (7) Other type child safety seat (specify):

- (8) Unknown child safety seat type
- (9) Unknown if child safety seat used

2. Child Safety Seat Orientation

- (00) No child safety seat

Designed for Rear Facing for This Age/Weight

- (01) Rear facing
- (02) Forward facing
- (08) Other orientation (specify):

- (09) Unknown orientation

Designed for Forward Facing for This Age/Weight

- (11) Rear facing
- (12) Forward facing
- (18) Other orientation (specify):

- (19) Unknown orientation

Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight

- (21) Rear facing
- (22) Forward facing
- (28) Other orientation (specify):

- (29) Unknown orientation

- (99) Unknown if child safety seat used

3. Child Safety Seat Harness Usage

4. Child Safety Seat Shield Usage

5. Child Safety Seat Tether Usage

Note: Options Below Are Used for Variables 3-5.

- (00) No child safety seat

Not Designed with Harness/Shield/Tether

- (01) After market harness/shield/tether added, not used
- (02) After market harness/shield/tether used
- (03) Child safety seat used, but no after market harness/shield/tether added
- (09) Unknown if harness/shield/tether added or used

Designed With Harness/Shield/Tether

- (11) Harness/shield/tether not used
- (12) Harness/shield/tether used
- (19) Unknown if harness/shield/tether used

Unknown If Designed With Harness/Shield/Tether

- (21) Harness/shield/tether not used
- (22) Harness/shield/tether used
- (29) Unknown if harness/shield/tether used

- (99) Unknown if child safety seat used

6. Child Safety Seat Make/Model

(Specify make/model and occupant number)

---



---



---



---

**HEAD RESTRAINTS/SEAT EVALUATION**

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
FIRST	Head Restraint Type/Damage	4	0	4
	Seat Type	06	06	06
	Seat Performance	7(685)	7(586)	7(586)
	Seat Orientation	1	1	1
SECOND	Head Restraint Type/Damage	0	0	0
	Seat Type	03	03	03
	Seat Performance	6	6	6
	Seat Orientation	1	1	1
THIRD	Head Restraint Type/Damage	/	/	/
	Seat Type	/	/	/
	Seat Performance	/	/	/
	Seat Orientation	/	/	/
OTHER	Head Restraint Type/Damage	/	/	/
	Seat Type	/	/	/
	Seat Performance	/	/	/
	Seat Orientation	/	/	/

**Head Restraint Type/Damage by Occupant at This Occupant Position**

- (0) No head restraints
- (1) Integral — no damage
- (2) Integral — damaged during accident
- (3) Adjustable — no damage
- (4) Adjustable — damaged during accident
- (5) Add-on — no damage
- (6) Add-on — damaged during accident
- (8) Other Specify: \_\_\_\_\_
- (9) Unknown \_\_\_\_\_

**Seat Type (this Occupant Position)**

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify): \_\_\_\_\_
- (10) Box mounted seat (i.e., van type) \_\_\_\_\_
- (99) Unknown \_\_\_\_\_

**Seat Performance (this Occupant Position)**

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed specify: \_\_\_\_\_
- (4) Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify): \_\_\_\_\_
- (7) Combination of above (specify): \_\_\_\_\_
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown \_\_\_\_\_

**Seat Orientation (this Occupant Position)**

- (0) Occupant not seated or no seat
- (1) Forward facing seat
- (2) Rear facing seat
- (3) Side facing seat (inward)
- (4) Side facing seat (outward)
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown \_\_\_\_\_

**DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)**



**EJECTION/ENTRAPMENT DATA**

Complete the following if the researcher has any indication that an occupant was either ejected from or entrapped in the vehicle. Code the appropriate data on the Occupant Assessment Form.

**EJECTION** No [ ] Yes [☒]

Describe indications of ejection and body parts involved in partial ejection(s):

Occupant Number	05					
Ejection	2					
(Note on Vehicle Interior Sketch) Ejection Area	3					
Ejection Medium	4					
Medium Status	2					

**Ejection**

- (1) Complete ejection  
(2) Partial ejection  
(3) Ejection, Unknown degree  
(9) Unknown

**Ejection Area**

- (1) Windshield  
(2) Left front  
(3) Right front  
(4) Left rear  
(5) Right rear  
(6) Rear

**(7) Roof**

- (8) Other area (e.g., back of pickup, etc.) (specify):

(9) Unknown

**Ejection Medium**

- (1) Door/hatch/tailgate  
(2) Nonfixed roof structure  
(3) Fixed glazing  
(4) Nonfixed glazing (specify):

**(5) Integral structure**

- (8) Other medium (specify):

(9) Unknown

**Medium Status (Immediately Prior to Impact)**

- (1) Open  
(2) Closed  
(3) Integral structure  
(9) Unknown

**ENTRAPMENT**

No [ ] Yes [☒]

Describe entrapment mechanism:

Driver, R F occupant, R R occupant restricted by the instrument panel & @ door panel.

Component(s):

(Note in vehicle interior diagram)



# OCCUPANT ASSESSMENT FORM

BEST AVAILABLE

Form Approved  
O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

2. Case Number - Stratum

3. Vehicle Number

4. Occupant Number

## OCCUPANT'S CHARACTERISTICS

5. Occupant's Age

Code actual age at time of accident.

(00) Less than one year old (specify by month):

(97) 97 years and older

(99) Unknown

6. Occupant's Sex

(1) Male

(2) Female

(9) Unknown

7. Occupant's Height

Code actual height to the nearest  
centimeter.

(999) Unknown

\_\_\_\_\_ inches X 2.54 = \_\_\_\_\_ centimeters

8. Occupant's Weight

Code actual weight to the nearest  
kilogram.

(999) Unknown

\_\_\_\_\_ pounds X .4536 = \_\_\_\_\_ kilograms

9. Occupant's Role

(1) Driver

(2) Passenger

(9) Unknown

## OCCUPANT'S SEATING

10. Occupant's Seat Position

*Front Seat*

(11) Left side

(12) Middle

(13) Right side

(14) Other (specify): \_\_\_\_\_

(15) On or in the lap of another occupant

*Second Seat*

(21) Left side

(22) Middle

(23) Right side

(24) Other (specify): \_\_\_\_\_

(25) On or in the lap of another occupant

*Third Seat*

(31) Left side

(32) Middle

(33) Right side

(34) Other (specify): \_\_\_\_\_

(35) On or in the lap of another occupant

*Fourth Seat*

(41) Left side

(42) Middle

(43) Right side

(44) Other (specify): \_\_\_\_\_

(45) On or in the lap of another occupant

(97) In or on unenclosed area

(98) Other seat (specify): \_\_\_\_\_

(99) Unknown

11. Occupant's Posture

(0) Normal posture

*Abnormal posture*

(1) Kneeling or standing on seat

(2) Lying on or across seat

(3) Kneeling, standing or sitting in front of seat

(4) Sitting sideways or turned to talk with another  
occupant or to look out a rear window

(5) Sitting on a console

(6) Lying back in a reclined seat position

(7) Bracing with feet or hands on a surface in front  
of seat

(8) Other abnormal posture (specify): \_\_\_\_\_

(9) Unknown

## EJECTION/ENTRAPMENT

12. Ejection 0

- (0) No ejection
- (1) Complete ejection
- (2) Partial ejection
- (3) Ejection, unknown degree
- (9) Unknown

13. Ejection Area 0

- (0) No ejection
- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear
- (7) Roof
- (8) Other area (e.g., back of pickup, etc.)  
(specify): \_\_\_\_\_
- (9) Unknown

14. Ejection Medium 0

- (0) No ejection
- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify): \_\_\_\_\_
- (5) Integral structure
- (8) Other medium (specify): \_\_\_\_\_
- (9) Unknown

15. Medium Status (Immediately Prior To Impact) 0

- (0) No ejection
- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

16. Entrapment 1

(NOTE: Entrapped means that part of the person was in the vehicle and mechanically restrained; jammed doors and immobilizing injuries by themselves are not sufficient to constitute entrapment.)

- (0) Not entrapped
- (1) Entrapped
- (9) Unknown

*Instrument panel pried off  
driver*



## RESTRAINT SYSTEM EVALUATION

17. Manual (Active) Belt System Availability 0

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available—type unknown

*Integral Belt Partially Destroyed*

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)

(8) Other belt (specify):

(9) Unknown18. Manual (Active) Belt System Use 03

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperative (specify):

(02) Shoulder belt(03) Lap belt(04) Lap and shoulder belt(05) Belt used—type unknown(08) Other belt used (specify):(12) Shoulder belt used with child safety seat(13) Lap belt used with child safety seat(14) Lap and shoulder belt used with child safety seat(15) Belt used with child safety seat—type unknown(18) Other belt used with child safety seat (specify):(99) Unknown if belt used19. Proper Use of Manual (Active) Belts 0

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

*Belt Used Improperly*

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):

(8) Other improper use of manual belt system (specify):(9) Unknown20. Manual (Active) Belt Failure Modes During Accident 0

- (0) No manual belt used
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):

(6) Broken retractor(7) Combination of above (specify):(8) Other manual belt failure (specify):(9) Unknown21. Air Bag System Availability/Function 0

- (0) Not equipped/not available
- (1) Air bag

*Non-functional*(2) Air bag disconnected (specify):(3) Air bag not reinstalled(9) Unknown22. Air Bag System Deployment 0

- (0) Not equipped/not available
- (1) Air bag deployed during accident (as a result of impact)
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined
- (4) Nondeployed
- (5) Unknown if deployed
- (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (9) Unknown

23. Are There Indications of Air Bag System Failure? 0

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):

(9) Unknown

Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts

24. Police Reported Restraint Use 1

- (0) None used
- (1) Police did not indicate restraint use
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt used, type not specified
- (6) Child safety seat
- (7) Other or automatic restraint (specify):

(8) Restrained, type unknown(9) Police indicated "unknown"

## HEAD RESTRAINT AND SEAT EVALUATION

25. Head Restraint Type/Damage by Occupant  
at This Occupant Position 4

- (0) No head restraints
- (1) Integral—no damage
- (2) Integral—damaged during accident
- (3) Adjustable—no damage
- (4) Adjustable—damaged during accident
- (5) Add-on—no damage
- (6) Add-on—damaged during accident
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown \_\_\_\_\_

26. Seat Type (this Occupant Position) 06

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify): \_\_\_\_\_
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

27. Seat Performance (this Occupant Position) 7

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed (specify): \_\_\_\_\_
- (4) Seat track/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify): \_\_\_\_\_
- (7) Combination of above (specify): 5-6-6
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown

## CHILD SAFETY SEAT

28. Child Safety Seat Make/Model 000  
(000) No child safety seat  
Applicable codes are found in your NASS CDS  
Data Collection, Coding and Editing  
(950) Built-in child safety seat  
(997) Other make/model (specify):

(998) Unknown make/model  
(999) Unknown if child safety seat used

29. Type of Child Safety Seat 0  
(0) No child safety seat  
(1) Infant seat  
(2) Toddler seat  
(3) Convertible seat  
(4) Booster seat  
(7) Other type child safety seat (specify):

(8) Unknown child safety seat type  
(9) Unknown if child safety seat used

30. Child Safety Seat Orientation 00  
(00) No child safety seat

*Designed for Rear Facing for This Age/Weight*

(01) Rear facing  
(02) Forward facing  
(08) Other orientation (specify):

(09) Unknown orientation

*Designed For Forward Facing for This Age/Weight*

(11) Rear facing  
(12) Forward facing  
(18) Other orientation (specify):

(19) Unknown orientation

*Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight*

(21) Rear facing  
(22) Forward facing  
(28) Other orientation (specify):

(29) Unknown orientation

(99) Unknown if child safety seat used

31. Child Safety Seat Harness Usage 00

32. Child Safety Seat Shield Usage 00

33. Child Safety Seat Tether Usage 00

Note: Options below applicable to  
Variables OA31-OA33.

(00) No child safety seat

*Not Designed With Harness/Shield/Tether*

(01) After market harness/shield/tether  
added, not used  
(02) After market harness/shield/tether used  
(03) Child safety seat used, but no after market  
harness/shield/tether added  
(09) Unknown if harness/shield/tether  
added or used

*Designed With Harness/Shield/Tether*

(11) Harness/shield/tether not used  
(12) Harness/shield/tether used  
(19) Unknown if harness/shield/tether used

*Unknown If Designed With Harness/Shield/Tether*

(21) Harness/shield/tether not used  
(22) Harness/shield/tether used  
(29) Unknown if harness/shield/tether used

(99) Unknown if child safety seat used

## INJURY CONSEQUENCES

34. Injury Severity (Police Rating) 4

- (0) O - No injury
- (1) C - Possible injury
- (2) B - Nonincapacitating injury
- (3) A - Incapacitating injury
- (4) K - Killed
- (5) U - Injury, severity unknown
- (6) Died prior to accident
- (9) Unknown

35. Treatment - Mortality 1

- (0) No treatment
- (1) Fatal
- (2) Fatal - ruled disease (specify):  
\_\_\_\_\_

*Nonfatal*

- (3) Hospitalization
- (4) Transported and released
- (5) Treatment at scene - nontransported
- (6) Treatment later
- (8) Treatment - other (specify):  
\_\_\_\_\_
- (9) Unknown

36. Type Of Medical Facility (for Initial Treatment) 0

- (0) Not treated at a medical facility
- (1) Trauma center
- (2) Hospital
- (3) Medical clinic
- (4) Physician's office
- (5) Treatment later at medical facility
- (8) Other (specify):  
\_\_\_\_\_

(9) Unknown

37. Hospital Stay 00

- (00) Not Hospitalized
- \_\_\_\_\_ Code the number of days (up through 60) that the occupant stayed in hospital.
- (61) 61 days or more
- (99) Unknown

38. Working Days Lost 62

- \_\_\_\_\_ Code the number of days (up through 60) that the occupant lost from work due to the accident
- (00) No working days lost
- (61) 61 days or more
- (62) Fatally injured
- (97) Not working prior to accident
- (99) Unknown

STOP - GO TO VARIABLE 44 ON PAGE 7

VARIABLES 39 THROUGH 43 ARE COMPLETED BY THE ZONE CENTER

39. Time to Death 01

- \_\_\_\_\_ Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, ... n days = 30 + n up through 30 days = 60)
- (00) Not fatal
- (96) Fatal - ruled disease
- (99) Unknown

40. 1st Medically Reported Cause of Death 1441. 2nd Medically Reported Cause of Death 1542. 3rd Medically Reported Cause of Death 16

- \_\_\_\_\_ Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death
- (00) Not fatal or no additional causes
- (96) Mode of death given but specific injuries are not linked to cause of death. (specify):  
\_\_\_\_\_

(97) Other result (includes fatal ruled disease) (specify):  
\_\_\_\_\_

(99) Unknown

43. Number of Recorded Injuries for This Occupant 26

- \_\_\_\_\_ Code the actual number of injuries recorded for this occupant.
- (00) No recorded injuries
- (97) Injured, details unknown
- (99) Unknown if injured



## AUTOMATIC BELT SYSTEM

44. Automatic (Passive) Belt System Availability/ Function 2

- (0) Not equipped/not available  
 (1) 2 point automatic belts  
 (2) 3 point automatic belts  
 (3) Automatic belts - type unknown

*Non-functional*

- (4) Automatic belts destroyed or rendered inoperative  
 (9) Unknown

45. Automatic (Passive) Belt System Use 2

- (0) Not equipped/not available/destroyed or rendered inoperative  
 (1) Automatic belt in use  
 (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify):  
 (3) Automatic belt use unknown  
 (9) Unknown

46. Automatic (Passive) Belt System Type 1

- (0) Not equipped/not available  
 (1) Non-motorized system  
 (2) Motorized system  
 (9) Unknown

47. Proper Use of Automatic (Passive) Belt System 0

- (0) Not equipped/not available/not used  
 (1) Automatic belt used properly  
 (2) Automatic belt used properly with child safety seat

*Automatic Belt Used Improperly*

- (3) Automatic shoulder belt worn under arm  
 (4) Automatic shoulder belt worn behind back  
 (5) Automatic belt worn around more than one person  
 (6) Lap portion of automatic belt worn on abdomen  
 (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):  
 (8) Other improper use of automatic belt system (specify):  
 (9) Unknown

48. Automatic (Passive) Belt Failure Modes During Accident 0

- (0) Not equipped/not available/not in use  
 (1) No automatic belt failure(s)  
 (2) Torn webbing (stretched webbing not included)  
 (3) Broken buckle or latchplate  
 (4) Upper anchorage separated  
 (5) Other anchorage separated (specify):  
 (6) Broken retractor  
 (7) Combination of above (specify):  
 (8) Other automatic belt failure (specify):  
 (9) Unknown

49. Seat Orientation (this Occupant Position) 1

- (0) Occupant not seated or no seat  
 (1) Forward facing seat  
 (2) Rear facing seat  
 (3) Side facing seat (inward)  
 (4) Side facing seat (outward)  
 (8) Other (specify):  
 (9) Unknown

## Check the Primary Source Used In Determining Belt Use.

- [ ] Not equipped/not available/destroyed or rendered inoperative  
☒ Vehicle inspection  
 [ ] Official injury data  
 [ ] Driver/occupant interview  
☒ Other (specify): Police on-scene photos  
 [ ] Unknown if belt used

ARE ALL APPLICABLE MEDICAL RECORDS INCLUDED WITH INITIAL SUBMISSION?

NO [ ] YES [ ]

UPDATE CANDIDATE?

NO [ ] YES [ ]

**STOP - VARIABLES 50 THROUGH 53 ARE COMPLETED BY THE ZONE CENTER****TRAUMA DATA**

50. Glasgow Coma Scale (GCS) Score 0 1  
(at Medical Facility)  
(00) Not injured  
(01) Injured - not treated at medical facility  
(02) No GCS Score at medical facility  
(03-15) Code the actual value of the initial GCS Score recorded at medical facility.  
(97) Injured, details unknown  
(99) Unknown if injured
51. Was the Occupant Given Blood? 1  
(1) No - blood not given  
(2) Yes - blood given  
(specify units): \_\_\_\_\_  
(9) Unknown if blood given
52. Arterial Blood Gases (ABG) -  $\text{HCO}_3$  0 1  
(00) Not injured  
(01) Injured, ABGs not measured or reported  
(02-50) Code the actual value of the  $\text{HCO}_3$   
(96) ABGs reported,  $\text{HCO}_3$  unknown  
(97) Injured, details unknown  
(99) Unknown if injured

**BELT USE DETERMINATION**

53. Primary Source of Belt Use Determination 1  
(0) Not equipped/not available/destroyed or rendered inoperative  
(1) Vehicle inspection  
(2) Official injury data  
(3) Driver/occupant interview  
(8) Other (specify): \_\_\_\_\_  
(9) Unknown if belt used



# OCCUPANT INJURY FORM

1. Primary Sampling Unit Number

3. Vehicle Number

2. Case Number - Stratum

4. Occupant Number

## INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

Source of Injury Data	A.I.S. - 90						Injury Source	Injury Source Confidence Level	Direct/Indirect Injury	Occupant Area Intrusion Number	
	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect					
Abrasion of face 1st	5. 1	6. 2	7. 9	8. 02	9. 02	10. 1	11. 1	12. 01	13. 1	14. 1	15. 97
Abrasion of chin 2nd	16. 1	17. 2	18. 9	19. 02	20. 02	21. 1	22. 8	23. 01	24. 1	25. 1	26. 97
Abrasion of cheek 3rd	27. 1	28. 2	29. 9	30. 02	31. 02	32. 1	33. 2	34. 03	35. 1	36. 1	37. 97
Cont. of chest 4th	38. 1	39. 4	40. 9	41. 04	42. 02	43. 1	44. 2	45. 06	46. 1	47. 1	48. 97
Abrasion of head/neck 5th	49. 1	50. 7	51. 9	52. 02	53. 02	54. 1	55. 1	56. 09	57. 1	58. 1	59. 97
Contusion of head/neck 6th	60. 1	61. 7	62. 9	63. 04	64. 02	65. 1	66. 1	67. 09	68. 1	69. 1	70. 97
Lac of head/neck 7th	71. 1	72. 8	73. 9	74. 06	75. 02	76. 1	77. 1	78. 09	79. 1	80. 1	81. 97
Abrasion of leg 8th	82. 1	83. 8	84. 9	85. 02	86. 02	87. 1	88. 2	89. 09	90. 1	91. 1	92. 97
Laceration of forearm 9th	93. 1	94. 8	95. 5	96. 18	97. 02	98. 3	99. 1	100. 09	101. 1	102. 1	103. 97
Laceration of torso 10th	104. 1	105. 8	106. 5	107. 34	108. 04	109. 2	110. 1	111. 09	112. 1	113. 1	114. 97

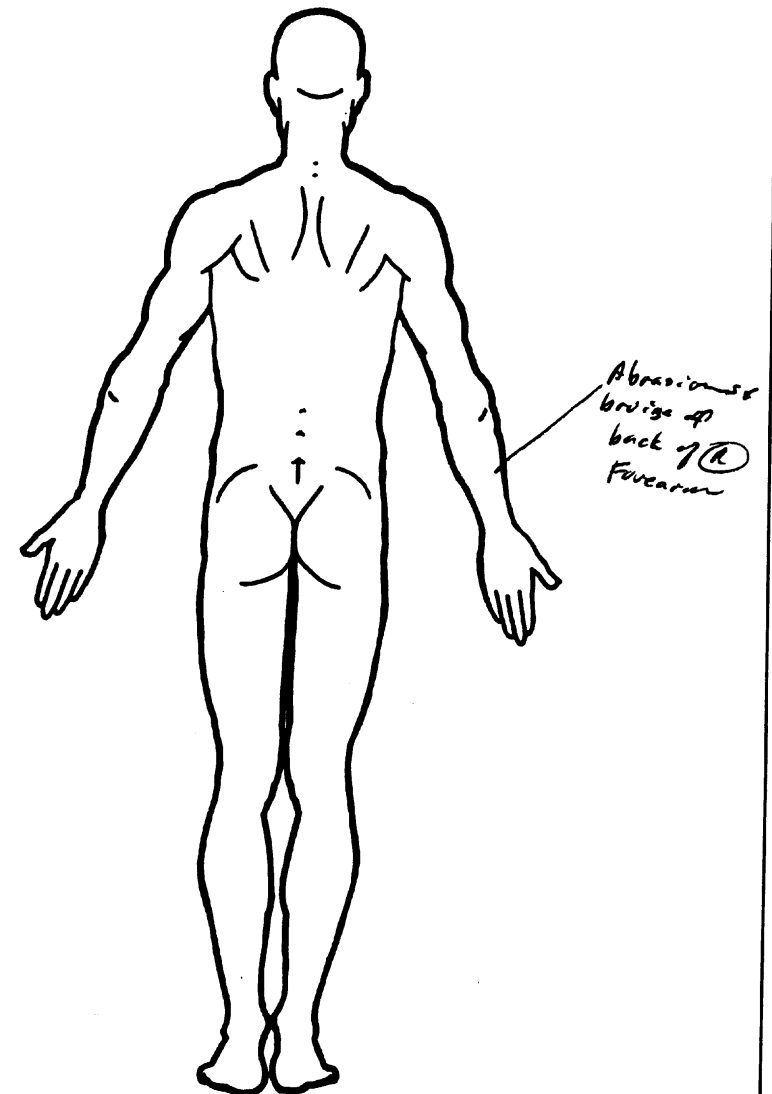
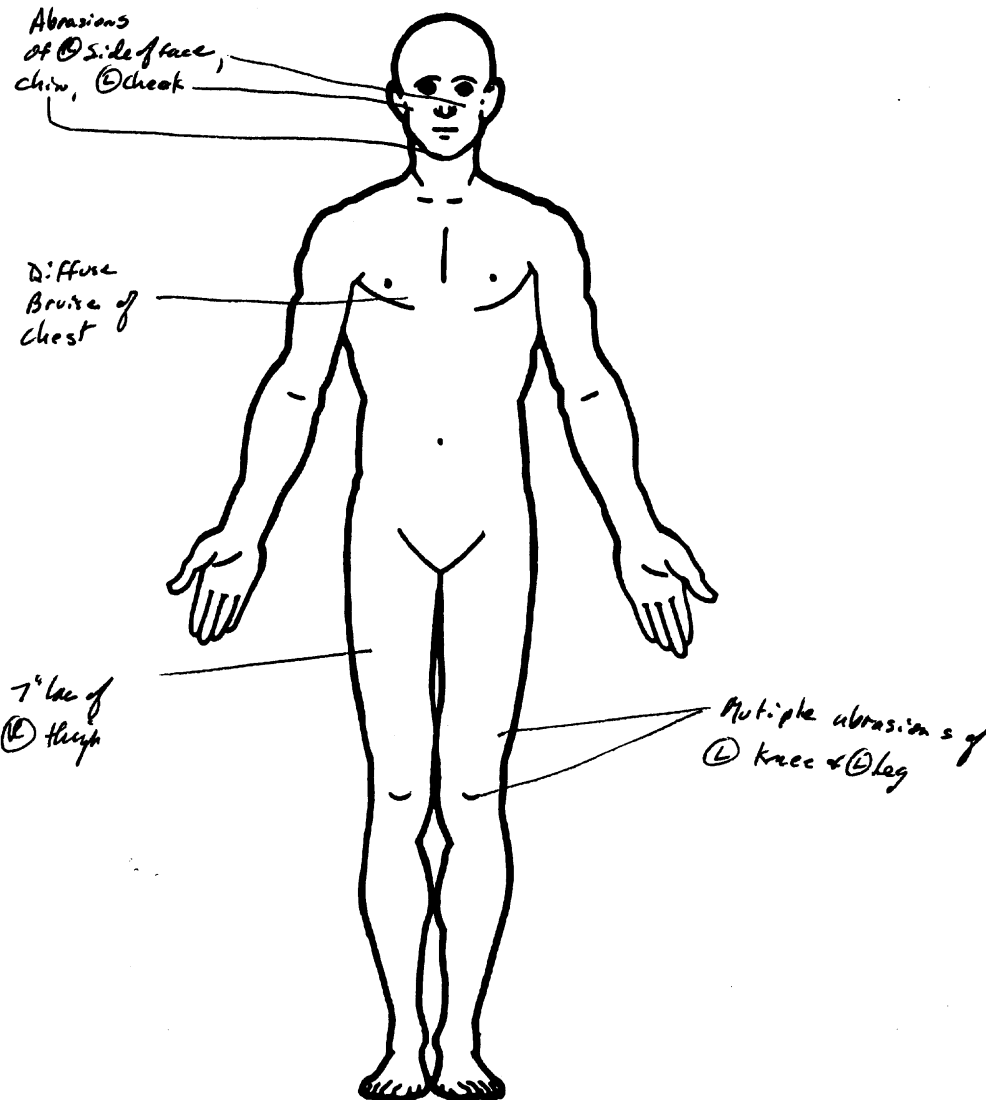
## OCCUPANT INJURY DATA

Source of Injury Data	A.I.S. - 90						Injury Source	Injury Source Confidence Level	Direct/Indirect Injury	Occupant Area Intrusion Number	
	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect					
Fr @ Tibia 11th	1	8	5	34	04	2	1	56	1	1	97
Fr @ Fibula 12th	1	8	5	16	05	2	1	09	1	1	97
Fr @ Fibula 13th	1	8	5	16	05	2	1	56	1	1	97
Thoracic vert. 14th	1	4	2	02	10	5	4	06	1	1	97
Loc of heart 15th	1	4	4	10	12	5	4	06	1	1	97
Fr @ bilateral ribs 16th	1	4	5	02	42	5	3	06	1	1	97
Cont. bilateral lungs 17th	1	4	4	14	10	4	3	06	1	1	97
Loc of brain 18th	1	5	4	18	26	4	1	06	1	1	97
Loc of spleen 19th	1	5	4	42	26	4	2	06	1	1	97
Loc of kidney 20th	1	5	4	16	20	2	2	06	1	1	97
Cont. of intestines small 21st	1	5	4	14	10	2	8	06	1	1	97
Cont. of large intestine 22nd	1	5	4	08	10	2	8	06	1	1	97
Fr mandible 23rd	1	2	5	08	00	2	9	03	2	1	97
Sublingual hem 24th	1	1	4	06	52	4	9	03	2	1	97
Fr @ temporal bone 25th	1	1	5	04	00	2	2	03	2	1	97
Fr @ sphenoid 26th	1	1	5	02	00	3	8	03	2	1	97



# OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



## SOURCE OF INJURY DATA

### OFFICIAL

- (1) Autopsy records with or without hospital/medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

### UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): \_\_\_\_\_
- (9) Police

## INJURY SOURCE

### FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify): \_\_\_\_\_
- (19) Other front object (specify): \_\_\_\_\_

### LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify): \_\_\_\_\_

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify): \_\_\_\_\_

- (28) Left side window sill

### RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify): \_\_\_\_\_

- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify): \_\_\_\_\_

- (38) Right side window sill

### INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify): \_\_\_\_\_
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify): \_\_\_\_\_
- (47) Interior loose objects
- (48) Child safety seat (specify): \_\_\_\_\_
- (49) Other interior object (specify): \_\_\_\_\_

### ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

### FLOOR

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

### REAR

- (60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): \_\_\_\_\_

### EXTERIOR OF OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): \_\_\_\_\_
- (68) Unknown exterior objects

### EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): \_\_\_\_\_

- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): \_\_\_\_\_

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): \_\_\_\_\_

- (83) Unknown exterior of other motor vehicle

### OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify): \_\_\_\_\_
- (86) Unknown vehicle or object

### NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): \_\_\_\_\_
- (93) Air bag exhaust gases
- (97) Injured, unknown source

## INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

## DIRECT/INDIRECT INJURY

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

## OCCUPANT INJURY CLASSIFICATION

### Body Region

- (1) Head
- (2) Face
- (3) Neck
- (4) Thorax
- (5) Abdomen
- (6) Spine
- (7) Upper Extremity
- (8) Lower Extremity
- (9) Unspecified

### Type of Anatomic Structure

- (1) Whole Area
- (2) Vessels
- (3) Nerves
- (4) Organs (includes muscles/ligaments)
- (5) Skeletal (includes joints)
- (6) Head - LOC
- (9) Skin

### Specific Anatomic Structure

#### Whole Area

- (02) Skin - Abrasion
- (04) Skin - Contusion
- (06) Skin - Laceration
- (08) Skin - Avulsion
- (10) Amputation
- (20) Burn
- (30) Crush
- (40) Degloving
- (50) Injury - NFS
- (90) Trauma, other than mechanical

#### Head - LOC

- (02) Length of LOC
- (04, 06, 08) Level of Consciousness
- (10) Concussion

### Spine

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

Vessels, Nerves, Organs, Bones, Joints are assigned consecutive two digit numbers beginning with 02

### Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

### Abbreviated Injury Scale

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

### Aspect

- (1) Right
- (2) Left
- (3) Bilateral
- (4) Central
- (5) Anterior
- (6) Posterior
- (7) Superior
- (8) Inferior
- (9) Unknown
- (0) Whole region

# OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

\_\_\_ No

\_\_\_ Yes

Blood Alcohol  
Level (mg/dl)

BAL = \_\_\_

Glasgow Coma  
Scale Score

GCSS = \_\_\_

Units of Blood  
Given

Units = \_\_\_

Arterial Blood  
Gases

pH = \_\_\_

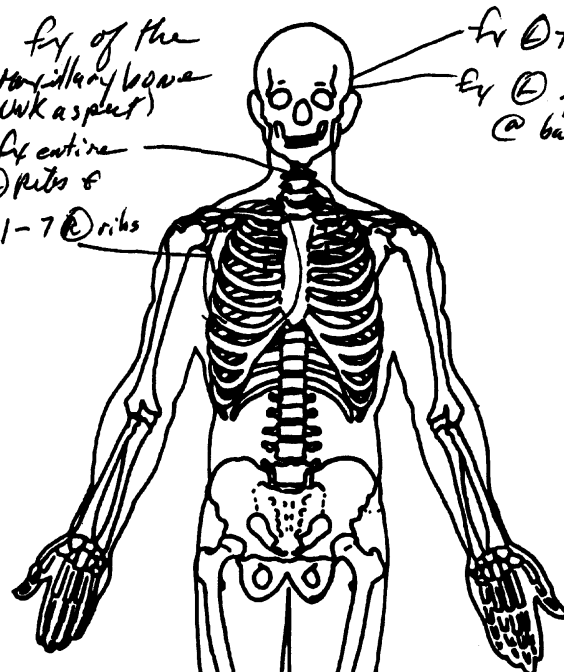
PO<sub>2</sub> = \_\_\_

PCO<sub>2</sub> = \_\_\_

HCO<sub>3</sub> = \_\_\_

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

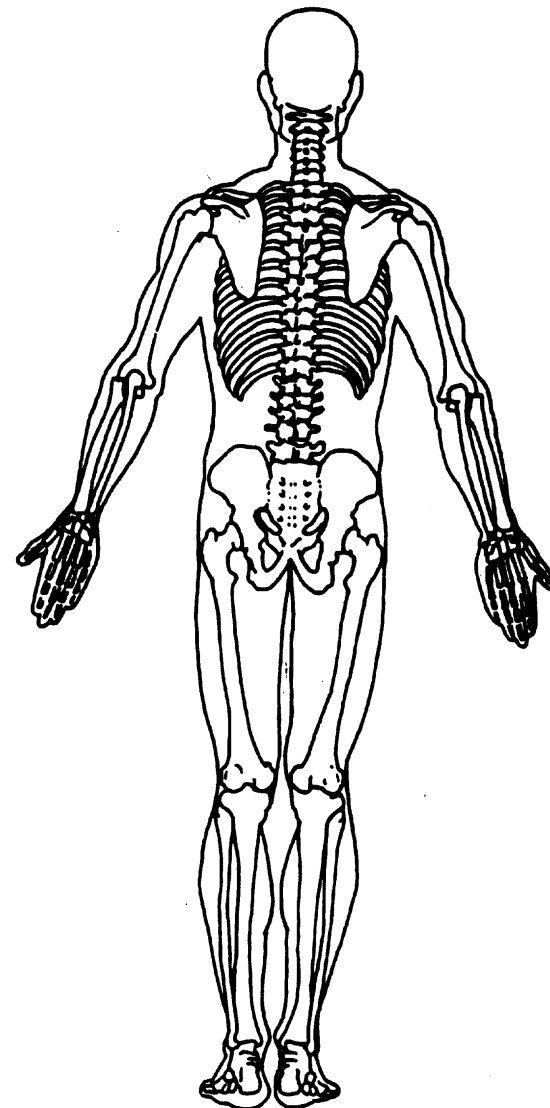
fx of the  
maxillary bone  
(UNK aspect)  
fx entire  
C ribs &  
fx 1-7 C ribs



fx lower  
portion of R  
Femur

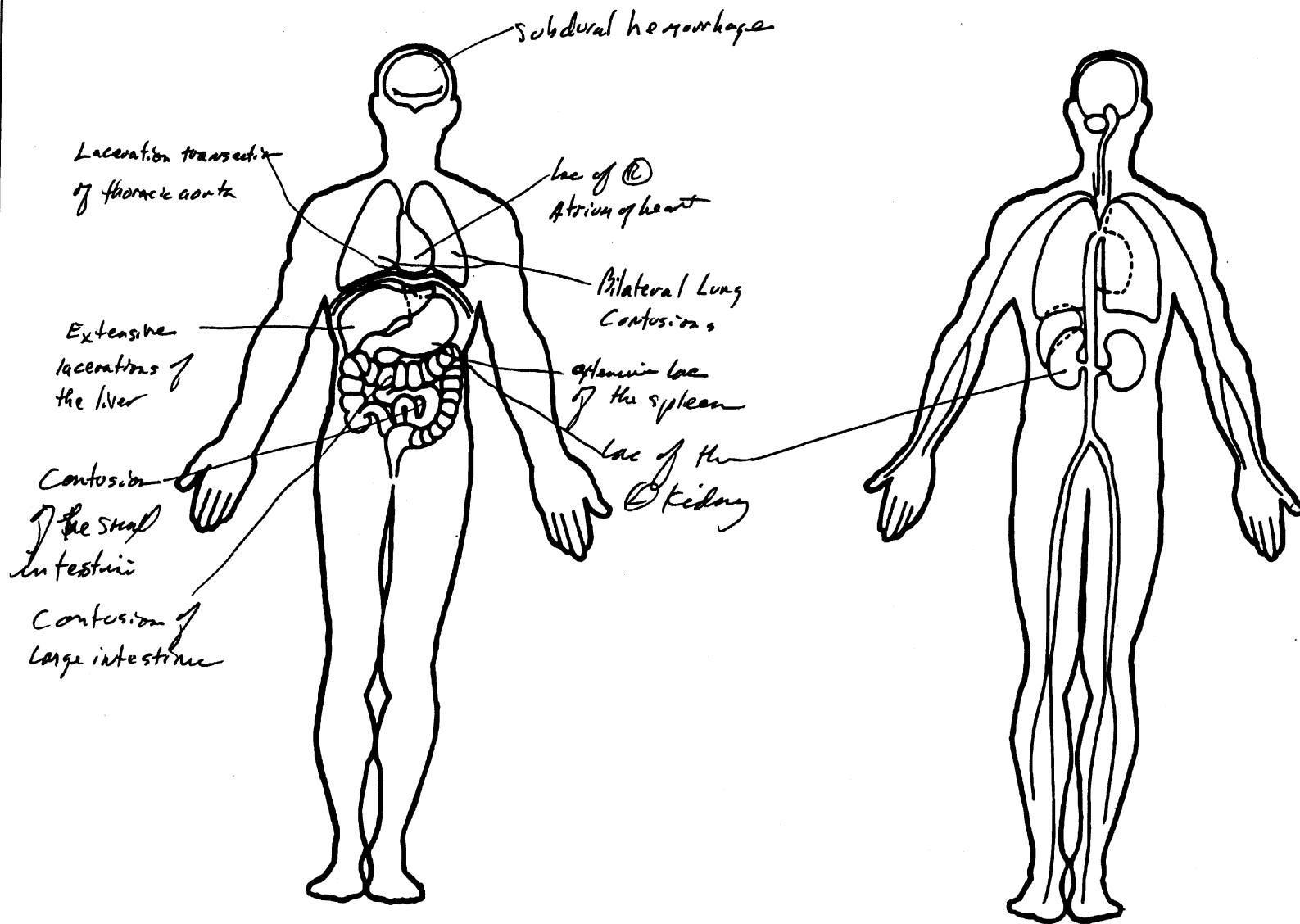
fx upper  
portion of  
R tibia & R fibula

fx R lower  
tibia & fibula



## OFFICIAL INJURY DATA — INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)







# OCCUPANT ASSESSMENT FORM

BEST AVAILABLE

Form Approved  
O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number     

2. Case Number - Stratum 94-22

3. Vehicle Number 01

4. Occupant Number 02

## OCCUPANT'S CHARACTERISTICS

5. Occupant's Age 01

Code actual age at time of accident.

(00) Less than one year old (specify by month):

7 months  
(97) 97 years and older

(99) Unknown

6. Occupant's Sex 1

(1) Male

(2) Female

(9) Unknown

7. Occupant's Height 066

Code actual height to the nearest  
centimeter.

(999) Unknown

     inches X 2.54 =      centimeters

8. Occupant's Weight 008

Code actual weight to the nearest  
kilogram.

(999) Unknown

     pounds X .4536 =      kilograms

9. Occupant's Role 2

(1) Driver

(2) Passenger

(9) Unknown

## OCCUPANT'S SEATING

10. Occupant's Seat Position 13

*Front Seat*

(11) Left side

(12) Middle

(13) Right side

(14) Other (specify):     

(15) On or in the lap of another occupant

*Second Seat*

(21) Left side

(22) Middle

(23) Right side

(24) Other (specify):     

(25) On or in the lap of another occupant

*Third Seat*

(31) Left side

(32) Middle

(33) Right side

(34) Other (specify):     

(35) On or in the lap of another occupant

*Fourth Seat*

(41) Left side

(42) Middle

(43) Right side

(44) Other (specify):     

(45) On or in the lap of another occupant

(97) In or on unenclosed area

(98) Other seat (specify):     

(99) Unknown

11. Occupant's Posture 0

(0) Normal posture

*Abnormal posture*

(1) Kneeling or standing on seat

(2) Lying on or across seat

(3) Kneeling, standing or sitting in front of seat

(4) Sitting sideways or turned to talk with another  
occupant or to look out a rear window

(5) Sitting on a console

(6) Lying back in a reclined seat position

(7) Bracing with feet or hands on a surface in front  
of seat

(8) Other abnormal posture (specify):     

(9) Unknown

## EJECTION/ENTRAPMENT

12. Ejection 0

- (0) No ejection
- (1) Complete ejection
- (2) Partial ejection
- (3) Ejection, unknown degree
- (9) Unknown

13. Ejection Area 0

- (0) No ejection
- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear
- (7) Roof
- (8) Other area (e.g., back of pickup, etc.)  
(specify): \_\_\_\_\_
- (9) Unknown

14. Ejection Medium 0

- (0) No ejection
- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify): \_\_\_\_\_
- (5) Integral structure
- (8) Other medium (specify): \_\_\_\_\_
- (9) Unknown

15. Medium Status (Immediately Prior To Impact) 0

- (0) No ejection
- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

16. Entrapment 1

(NOTE: Entrapped means that part of the person was in the vehicle and mechanically restrained; jammed doors and immobilizing injuries by themselves are not sufficient to constitute entrapment.)

- (0) Not entrapped
- (1) Entrapped
- (9) Unknown

*Right instrument panel.  
against occupant / & child  
Safety seat*

## RESTRAINT SYSTEM EVALUATION

17. Manual (Active) Belt System Availability 0

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available—type unknown

*Integral Belt Partially Destroyed*

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)

(8) Other belt (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

18. Manual (Active) Belt System Use 02

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperative (specify): \_\_\_\_\_

(02) Shoulder belt \_\_\_\_\_

(03) Lap belt \_\_\_\_\_

(04) Lap and shoulder belt \_\_\_\_\_

(05) Belt used—type unknown \_\_\_\_\_

(08) Other belt used (specify): \_\_\_\_\_

(12) Shoulder belt used with child safety seat \_\_\_\_\_

(13) Lap belt used with child safety seat \_\_\_\_\_

(14) Lap and shoulder belt used with child safety seat \_\_\_\_\_

(15) Belt used with child safety seat—type unknown \_\_\_\_\_

(18) Other belt used with child safety seat (specify): \_\_\_\_\_

(99) Unknown if belt used \_\_\_\_\_

19. Proper Use of Manual (Active) Belts 0

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

*Belt Used Improperly*

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): \_\_\_\_\_

(8) Other improper use of manual belt system (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

20. Manual (Active) Belt Failure Modes During Accident 0

- (0) No manual belt used
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify): \_\_\_\_\_

(6) Broken retractor \_\_\_\_\_

(7) Combination of above (specify): \_\_\_\_\_

(8) Other manual belt failure (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

21. Air Bag System Availability/Function 0

- (0) Not equipped/not available
- (1) Air bag

*Non-functional*

(2) Air bag disconnected (specify): \_\_\_\_\_

(3) Air bag not reinstalled \_\_\_\_\_

(9) Unknown \_\_\_\_\_

22. Air Bag System Deployment 0

- (0) Not equipped/not available
- (1) Air bag deployed during accident (as a result of impact)
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined
- (4) Nondeployed
- (5) Unknown if deployed
- (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (9) Unknown

23. Are There Indications of Air Bag System Failure? 0

- (0) Not equipped/not available

(1) No

(2) Yes (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts

24. Police Reported Restraint Use 6

- (0) None used
- (1) Police did not indicate restraint use
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt used, type not specified
- (6) Child safety seat
- (7) Other or automatic restraint (specify): \_\_\_\_\_

(8) Restrained, type unknown \_\_\_\_\_

(9) Police indicated "unknown" \_\_\_\_\_

## HEAD RESTRAINT AND SEAT EVALUATION

25. Head Restraint Type/Damage by Occupant  
at This Occupant Position 4

- (0) No head restraints
- (1) Integral—no damage
- (2) Integral—damaged during accident
- (3) Adjustable—no damage
- (4) Adjustable—damaged during accident
- (5) Add-on—no damage
- (6) Add-on—damaged during accident
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown

26. Seat Type (this Occupant Position) 0 4

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify): \_\_\_\_\_
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

27. Seat Performance (this Occupant Position) 6

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed (specify): \_\_\_\_\_
- (4) Seat track/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify): Floor / Right Front door, in statement panel
- (7) Combination of above (specify): \_\_\_\_\_
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown



## CHILD SAFETY SEAT

28. Child Safety Seat Make/Model \_\_\_\_\_  
 (000) No child safety seat  
 Applicable codes are found in your NASS CDS  
 Data Collection, Coding and Editing  
 (950) Built-in child safety seat  
 (997) Other make/model (specify): \_\_\_\_\_

(998) Unknown make/model  
 (999) Unknown if child safety seat used

29. Type of Child Safety Seat 3  
 (0) No child safety seat  
 (1) Infant seat  
 (2) Toddler seat  
 (3) Convertible seat  
 (4) Booster seat  
 (7) Other type child safety seat (specify): \_\_\_\_\_  
 (8) Unknown child safety seat type  
 (9) Unknown if child safety seat used

30. Child Safety Seat Orientation 12  
 (00) No child safety seat

*Designed for Rear Facing for This Age/Weight*

- (01) Rear facing  
 (02) Forward facing  
 (08) Other orientation (specify): \_\_\_\_\_

(09) Unknown orientation

*Designed For Forward Facing for This Age/Weight*

- (11) Rear facing  
 (12) Forward facing  
 (18) Other orientation (specify): \_\_\_\_\_

(19) Unknown orientation

*Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight*

- (21) Rear facing  
 (22) Forward facing  
 (28) Other orientation (specify): \_\_\_\_\_

(29) Unknown orientation

(99) Unknown if child safety seat used

31. Child Safety Seat Harness Usage 1 2

32. Child Safety Seat Shield Usage 1 2

33. Child Safety Seat Tether Usage 0 3

Note: Options below applicable to  
 Variables OA31-OA33.

(00) No child safety seat

*Not Designed With Harness/Shield/Tether*

- (01) After market harness/shield/tether  
 added, not used  
 (02) After market harness/shield/tether used  
 (03) Child safety seat used, but no after market  
 harness/shield/tether added  
 (09) Unknown if harness/shield/tether  
 added or used

*Designed With Harness/Shield/Tether*

- (11) Harness/shield/tether not used  
 (12) Harness/shield/tether used  
 (19) Unknown if harness/shield/tether used

*Unknown If Designed With Harness/Shield/Tether*

- (21) Harness/shield/tether not used  
 (22) Harness/shield/tether used  
 (29) Unknown if harness/shield/tether used

(99) Unknown if child safety seat used

## INJURY CONSEQUENCES

34. Injury Severity (Police Rating) 4

- (0) O - No injury
- (1) C - Possible injury
- (2) B - Nonincapacitating injury
- (3) A - Incapacitating injury
- (4) K - Killed
- (5) U - Injury, severity unknown
- (6) Died prior to accident
- (9) Unknown

35. Treatment - Mortality 1

- (0) No treatment
- (1) Fatal
- (2) Fatal - ruled disease (specify):

*Nonfatal*

- (3) Hospitalization
- (4) Transported and released
- (5) Treatment at scene - nontransported
- (6) Treatment later
- (8) Treatment - other (specify):
- (9) Unknown

36. Type Of Medical Facility (for Initial Treatment) 0

- (0) Not treated at a medical facility
- (1) Trauma center
- (2) Hospital
- (3) Medical clinic
- (4) Physician's office
- (5) Treatment later at medical facility
- (8) Other (specify):
- (9) Unknown

37. Hospital Stay 00

- (00) Not Hospitalized
- Code the number of days (up through 60) that the occupant stayed in hospital.
- (61) 61 days or more
- (99) Unknown

38. Working Days Lost 97

- Code the number of days (up through 60) that the occupant lost from work due to the accident
- (00) No working days lost
- (61) 61 days or more
- (62) Fatally injured
- (97) Not working prior to accident
- (99) Unknown

STOP - GO TO VARIABLE 44 ON PAGE 7

VARIABLES 39 THROUGH 43 ARE COMPLETED BY THE ZONE CENTER

39. Time to Death 01

- Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, ... n days = 30 + n up through 30 days = 60)
- (00) Not fatal
- (96) Fatal - ruled disease
- (99) Unknown

40. 1st Medically Reported Cause of Death 0141. 2nd Medically Reported Cause of Death 0242. 3rd Medically Reported Cause of Death 03

- Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death
- (00) Not fatal or no additional causes
- (96) Mode of death given but specific injuries are not linked to cause of death. (specify):

- (97) Other result (includes fatal ruled disease) (specify):

- (99) Unknown

43. Number of Recorded Injuries for This Occupant 11

- Code the actual number of injuries recorded for this occupant.
- (00) No recorded injuries
- (97) Injured, details unknown
- (99) Unknown if injured

## AUTOMATIC BELT SYSTEM

44. Automatic (Passive) Belt System Availability/Function 2

- (0) Not equipped/not available  
 (1) 2 point automatic belts  
 (2) 3 point automatic belts  
 (3) Automatic belts - type unknown

*Non-functional*

- (4) Automatic belts destroyed or rendered inoperative  
 (9) Unknown

45. Automatic (Passive) Belt System Use 1

- (0) Not equipped/not available/destroyed or rendered inoperative  
 (1) Automatic belt in use  
 (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify):  
 \_\_\_\_\_

- (3) Automatic belt use unknown  
 (9) Unknown

46. Automatic (Passive) Belt System Type 1

- (0) Not equipped/not available  
 (1) Non-motorized system  
 (2) Motorized system  
 (9) Unknown

47. Proper Use of Automatic (Passive) Belt System 1

- (0) Not equipped/not available/not used  
 (1) Automatic belt used properly  
 (2) Automatic belt used properly with child safety seat

*Automatic Belt Used Improperly*

- (3) Automatic shoulder belt worn under arm  
 (4) Automatic shoulder belt worn behind back  
 (5) Automatic belt worn around more than one person  
 (6) Lap portion of automatic belt worn on abdomen  
 (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):  
 \_\_\_\_\_

- (8) Other improper use of automatic belt system (specify):  
 \_\_\_\_\_  
 (9) Unknown

48. Automatic (Passive) Belt Failure Modes During Accident +

- (0) Not equipped/not available/not in use  
 (1) No automatic belt failure(s)  
 (2) Torn webbing (stretched webbing not included)  
 (3) Broken buckle or latchplate  
 (4) Upper anchorage separated  
 (5) Other anchorage separated (specify):  
 \_\_\_\_\_  
 (6) Broken retractor  
 (7) Combination of above (specify):  
 (8) Other automatic belt failure (specify):  
 \_\_\_\_\_  
 (9) Unknown

49. Seat Orientation (this Occupant Position) 1

- (0) Occupant not seated or no seat  
 (1) Forward facing seat  
 (2) Rear facing seat  
 (3) Side facing seat (inward)  
 (4) Side facing seat (outward)  
 (8) Other (specify):  
 \_\_\_\_\_

- (9) Unknown

## Check the Primary Source Used In Determining Belt Use.

- [ ] Not equipped/not available/destroyed or rendered inoperative

- [x] Vehicle inspection

- [ ] Official injury data

- [ ] Driver/occupant interview

- [x] Other (specify):

- Police - on-scene photos*

- [ ] Unknown if belt used

ARE ALL APPLICABLE MEDICAL RECORDS INCLUDED WITH INITIAL SUBMISSION?

NO [ ] YES [ ]

UPDATE CANDIDATE?

NO [ ] YES [ ]

**STOP - VARIABLES 50 THROUGH 53 ARE COMPLETED BY THE ZONE CENTER****TRAUMA DATA**

50. Glasgow Coma Scale (GCS) Score 01  
(at Medical Facility)  
(00) Not injured  
(01) Injured - not treated at medical facility  
(02) No GCS Score at medical facility  
(03-15) Code the actual value of the initial GCS Score recorded at medical facility.  
(97) Injured, details unknown  
(99) Unknown if injured

51. Was the Occupant Given Blood? 1  
(1) No - blood not given  
(2) Yes - blood given  
(specify units): \_\_\_\_\_  
(9) Unknown if blood given

52. Arterial Blood Gases (ABG) -  $\text{HCO}_3$  01  
(00) Not injured  
(01) Injured, ABGs not measured or reported  
(02-50) Code the actual value of the  $\text{HCO}_3$   
(96) ABGs reported,  $\text{HCO}_3$  unknown  
(97) Injured, details unknown  
(99) Unknown if injured

**BELT USE DETERMINATION**

53. Primary Source of Belt Use Determination 1  
(0) Not equipped/not available/destroyed or rendered inoperative  
(1) Vehicle inspection  
(2) Official injury data  
(3) Driver/occupant interview  
(8) Other (specify): \_\_\_\_\_  
(9) Unknown if belt used





U.S. Department of Transportation  
National Highway Traffic Safety  
Administration

# OCCUPANT INJURY FORM

BEST AVAILABLE  
Form Approved  
O.M.B. No. 2127-0021  
NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

3. Vehicle Number

2. Case Number - Stratum

4. Occupant Number

## INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

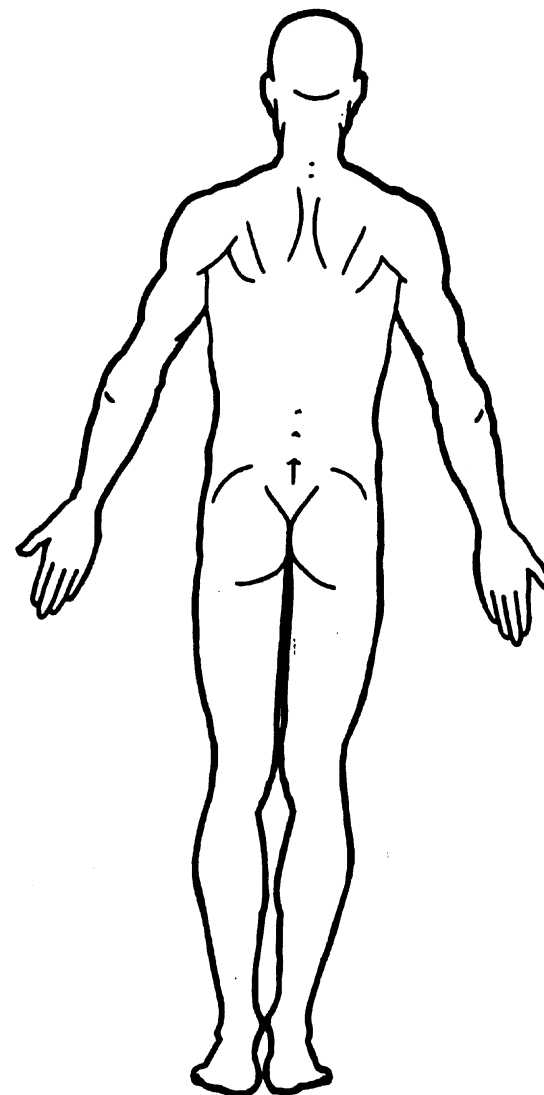
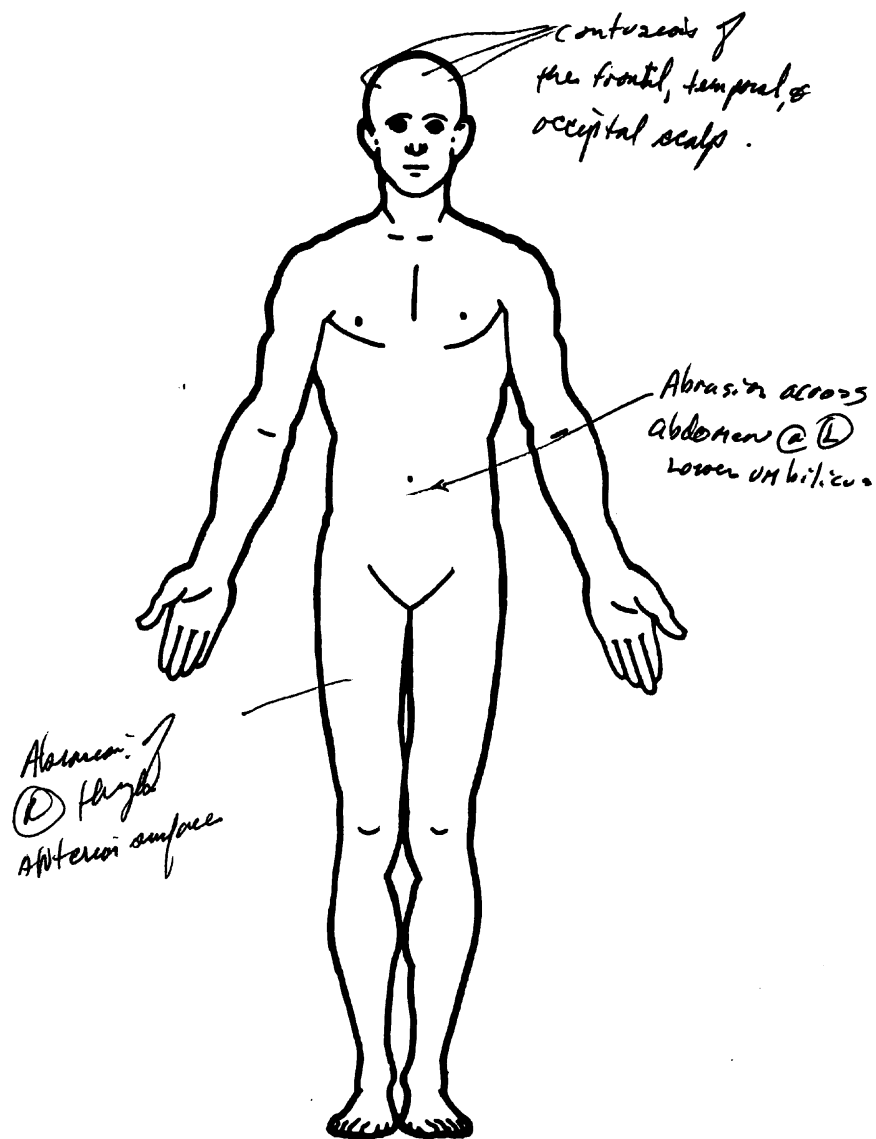
Source of Injury Data	A.I.S. - 90						Injury Source	Injury Source Confidence Level	Direct/Indirect Injury	Occupant Area Intrusion Number	
	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect					
Fractured skull 1st	5. 1	6. 1	7. 5	8. 04	9. 06	10. 4	11. 5	12. 11	13. 1	14. 1	15. 97
Fracture of skull 2nd	16. 1	17. 1	18. 5	19. 02	20. 06	21. 4	22. 8	23. 11	24. 1	25. 1	26. 97
Loc of brain 3rd	27. 1	28. 1	29. 4	30. 06	31. 88	32. 4	33. 9	34. 11	35. 1	36. 1	37. 97
Subdural Hem 4th	38. 1	39. 1	40. 4	41. 06	42. 52	43. 4	44. 9	45. 11	46. 1	47. 1	48. 97
Fracture of skull 5th	49. 1	50. 6	51. 5	52. 02	53. 32	54. 2	55. 6	56. 11	57. 1	58. 1	59. 97
Fracture of skull 6th	60. 1	61. 4	62. 4	63. 14	64. 10	65. 4	66. 3	67. 11	68. 1	69. 1	70. 97
Loc of spleen 7th	71. 1	72. 5	73. 4	74. 42	75. 20	76. 2	77. 2	78. 11	79. 1	80. 1	81. 97
Fracture of skull 8th	82. 1	83. 8	84. 5	85. 18	86. 16	87. 2	88. 2	89. 11	90. 1	91. 1	92. 97
Abdomen 9th	93. 1	94. 5	95. 9	96. 02	97. 02	98. 1	99. 0	100. 11	101. 1	102. 1	103. 97
Abdomen 10th	104. 1	105. 8	106. 9	107. 02	108. 02	109. 1	110. 1	111. 11	112. 1	113. 1	114. 97

**.I.S. - 90**

[illegible]

## OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



## SOURCE OF INJURY DATA

### OFFICIAL

- (1) Autopsy records with or without hospital/medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

### UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): \_\_\_\_\_
- (9) Police

## INJURY SOURCE

### FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify): \_\_\_\_\_
- (19) Other front object (specify): \_\_\_\_\_

### LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify): \_\_\_\_\_

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify): \_\_\_\_\_

- (28) Left side window sill

### RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify): \_\_\_\_\_

- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify): \_\_\_\_\_

- (38) Right side window sill

### INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify): \_\_\_\_\_
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify): \_\_\_\_\_
- (47) Interior loose objects
- (48) Child safety seat (specify): \_\_\_\_\_
- (49) Other interior object (specify): \_\_\_\_\_

### ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

### FLOOR

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

### REAR

- (60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): \_\_\_\_\_

### EXTERIOR OF OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): \_\_\_\_\_
- (68) Unknown exterior objects

### EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): \_\_\_\_\_
- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): \_\_\_\_\_

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): \_\_\_\_\_
- (83) Unknown exterior of other motor vehicle

### OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify): \_\_\_\_\_
- (86) Unknown vehicle or object

### NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): \_\_\_\_\_
- (93) Air bag exhaust gases
- (97) Injured, unknown source

## INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

## DIRECT/INDIRECT INJURY

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

## OCCUPANT INJURY CLASSIFICATION

### Body Region

- (1) Head
- (2) Face
- (3) Neck
- (4) Thorax
- (5) Abdomen
- (6) Spine
- (7) Upper Extremity
- (8) Lower Extremity
- (9) Unspecified

### Type of Anatomic Structure

- (1) Whole Area
- (2) Vessels
- (3) Nerves
- (4) Organs (includes muscles/ligaments)
- (5) Skeletal (includes joints)
- (6) Head - LOC
- (9) Skin

### Specific Anatomic Structure

#### Whole Area

- (02) Skin - Abrasion
- (04) Skin - Contusion
- (06) Skin - Laceration
- (08) Skin - Avulsion
- (10) Amputation
- (20) Burn
- (30) Crush
- (40) Degloving
- (50) Injury - NFS
- (90) Trauma, other than mechanical

#### Head - LOC

- (02) Length of LOC
- (04, 06, 08) Level of Consciousness
- (10) Concussion

### Spine

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

### Vessels, Nerves, Organs, Bones

Joints are assigned consecutive two digit numbers beginning with 02

### Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

### Abbreviated Injury Scale

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

### Aspect

- (1) Right
- (2) Left
- (3) Bilateral
- (4) Central
- (5) Anterior
- (6) Posterior
- (7) Superior
- (8) Inferior
- (9) Unknown
- (0) Whole region



# OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

\_\_\_ No

\_\_\_ Yes

Blood Alcohol  
Level (mg/dl)

BAL = \_\_\_

Glasgow Coma  
Scale Score

GCSS = \_\_\_

Units of Blood  
Given

Units = \_\_\_

Arterial Blood  
Gases

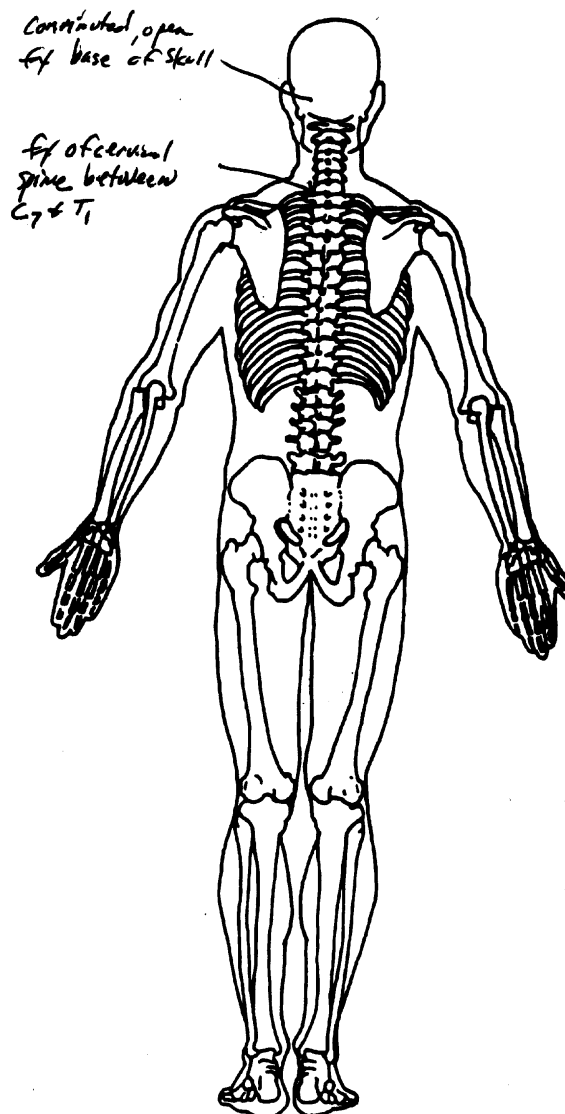
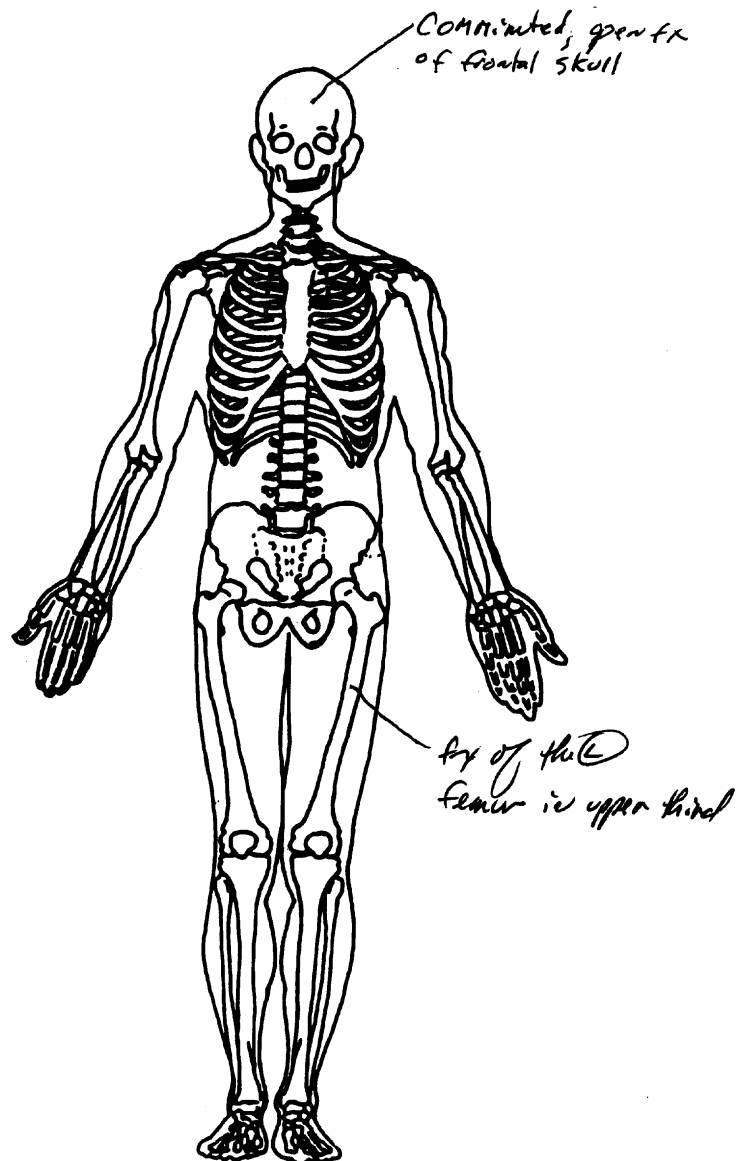
pH = \_\_\_

PO<sub>2</sub> = \_\_\_

PCO<sub>2</sub> \_\_\_

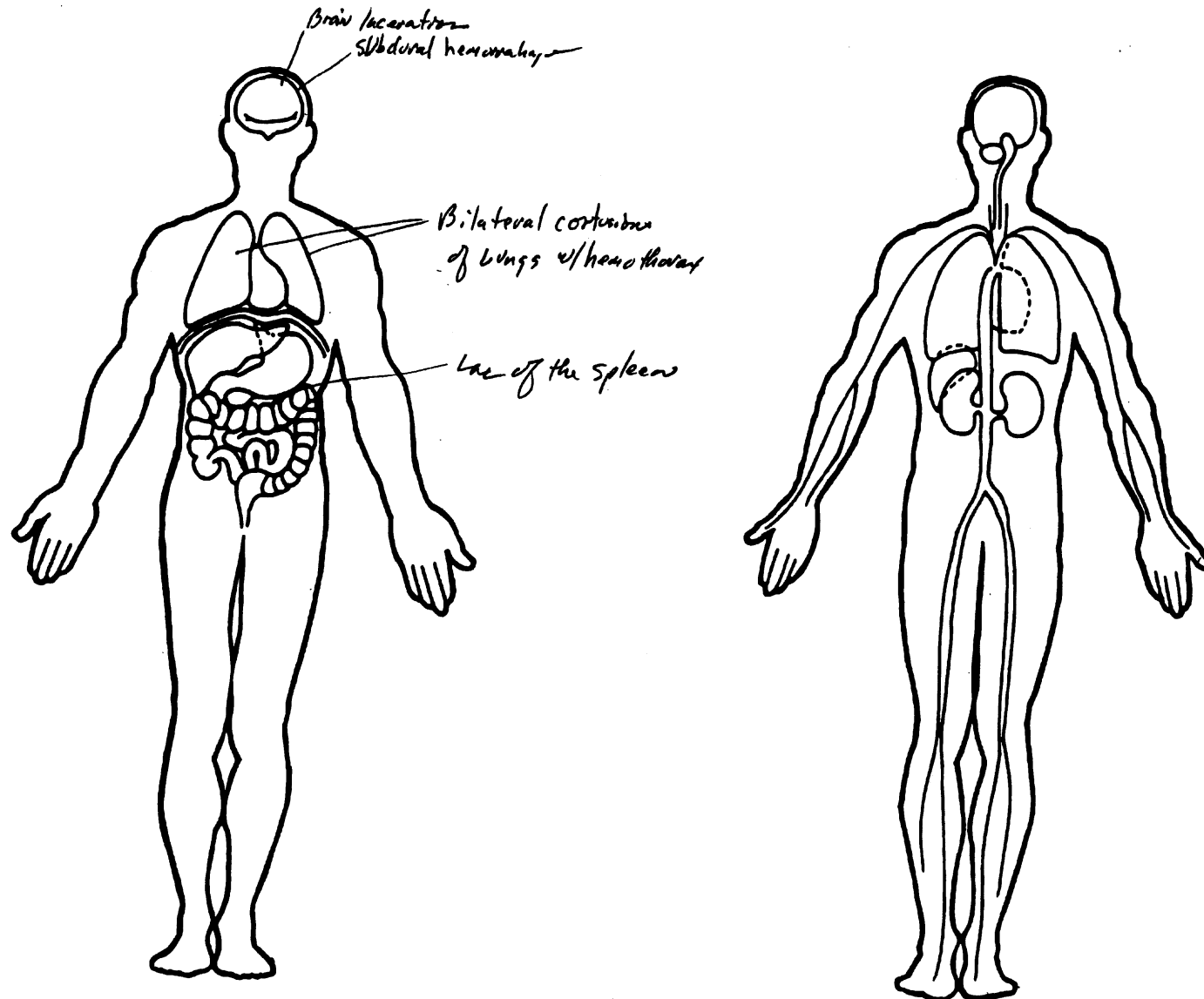
HCO<sub>3</sub> \_\_\_

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



## OFFICIAL INJURY DATA — INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





# OCCUPANT ASSESSMENT FORM

BEST AVAILABLE

Form Approved  
O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

2. Case Number - Stratum

3. Vehicle Number

4. Occupant Number

## OCCUPANT'S CHARACTERISTICS

5. Occupant's Age

Code actual age at time of accident.

(00) Less than one year old (specify by month):

(97) 97 years and older

(99) Unknown

6. Occupant's Sex

(1) Male

(2) Female

(9) Unknown

7. Occupant's Height

Code actual height to the nearest  
centimeter.

(999) Unknown

\_\_\_ inches X 2.54 = \_\_\_ centimeters

8. Occupant's Weight

Code actual weight to the nearest  
kilogram.

(999) Unknown

\_\_\_ pounds X .4536 = \_\_\_ kilograms

9. Occupant's Role

(1) Driver

(2) Passenger

(9) Unknown

## OCCUPANT'S SEATING

10. Occupant's Seat Position

*Front Seat*

(11) Left side

(12) Middle

(13) Right side

(14) Other (specify):

(15) On or in the lap of another occupant

*Second Seat*

(21) Left side

(22) Middle

(23) Right side

(24) Other (specify):

(25) On or in the lap of another occupant

*Third Seat*

(31) Left side

(32) Middle

(33) Right side

(34) Other (specify):

(35) On or in the lap of another occupant

*Fourth Seat*

(41) Left side

(42) Middle

(43) Right side

(44) Other (specify):

(45) On or in the lap of another occupant

(97) In or on unenclosed area

(98) Other seat (specify):

(99) Unknown

11. Occupant's Posture

(0) Normal posture

*Abnormal posture*

(1) Kneeling or standing on seat

(2) Lying on or across seat

(3) Kneeling, standing or sitting in front of seat

(4) Sitting sideways or turned to talk with another  
occupant or to look out a rear window

(5) Sitting on a console

(6) Lying back in a reclined seat position

(7) Bracing with feet or hands on a surface in front  
of seat

(8) Other abnormal posture (specify):

(9) Unknown

## EJECTION/ENTRAPMENT

12. Ejection 0

- (0) No ejection
- (1) Complete ejection
- (2) Partial ejection
- (3) Ejection, unknown degree
- (9) Unknown

13. Ejection Area 0

- (0) No ejection
- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear
- (7) Roof
- (8) Other area (e.g., back of pickup, etc.)  
(specify): \_\_\_\_\_
- (9) Unknown

14. Ejection Medium 0

- (0) No ejection
- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify): \_\_\_\_\_
- (5) Integral structure
- (8) Other medium (specify): \_\_\_\_\_
- (9) Unknown

15. Medium Status (Immediately Prior To Impact) 0

- (0) No ejection
- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

16. Entrapment 0

(NOTE: Entrapped means that part of the person was in the vehicle and mechanically restrained; jammed doors and immobilizing injuries by themselves are not sufficient to constitute entrapment.)

- (0) Not entrapped
- (1) Entrapped
- (9) Unknown



## RESTRAINT SYSTEM EVALUATION

17. Manual (Active) Belt System Availability 4

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available—type unknown

*Integral Belt Partially Destroyed*

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)

(8) Other belt (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

18. Manual (Active) Belt System Use 0 4

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperative (specify): \_\_\_\_\_

(02) Shoulder belt \_\_\_\_\_

(03) Lap belt \_\_\_\_\_

(04) Lap and shoulder belt \_\_\_\_\_

(05) Belt used—type unknown \_\_\_\_\_

(08) Other belt used (specify): \_\_\_\_\_

(12) Shoulder belt used with child safety seat \_\_\_\_\_

(13) Lap belt used with child safety seat \_\_\_\_\_

(14) Lap and shoulder belt used with child safety seat \_\_\_\_\_

(15) Belt used with child safety seat—type unknown \_\_\_\_\_

(18) Other belt used with child safety seat (specify): \_\_\_\_\_

(99) Unknown if belt used \_\_\_\_\_

19. Proper Use of Manual (Active) Belts 9

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

*Belt Used Improperly*

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): \_\_\_\_\_

(8) Other improper use of manual belt system (specify): \_\_\_\_\_

(9) Unknown *Shoulder belt possibly worn behind back*20. Manual (Active) Belt Failure Modes During Accident 1

- (0) No manual belt used
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify): \_\_\_\_\_

(6) Broken retractor \_\_\_\_\_

(7) Combination of above (specify): \_\_\_\_\_

(8) Other manual belt failure (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

21. Air Bag System Availability/Function 0

- (0) Not equipped/not available
- (1) Air bag

*Non-functional*

(2) Air bag disconnected (specify): \_\_\_\_\_

(3) Air bag not reinstalled \_\_\_\_\_

(9) Unknown \_\_\_\_\_

22. Air Bag System Deployment 0

- (0) Not equipped/not available
- (1) Air bag deployed during accident (as a result of impact)
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined
- (4) Nondeployed
- (5) Unknown if deployed
- (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (9) Unknown

23. Are There Indications of Air Bag System Failure? 0

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts

24. Police Reported Restraint Use 4

- (0) None used
- (1) Police did not indicate restraint use
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt used, type not specified
- (6) Child safety seat
- (7) Other or automatic restraint (specify): \_\_\_\_\_

(8) Restrained, type unknown \_\_\_\_\_

(9) Police indicated "unknown" \_\_\_\_\_

## HEAD RESTRAINT AND SEAT EVALUATION

25. Head Restraint Type/Damage by Occupant at This Occupant Position 0

- (0) No head restraints
- (1) Integral—no damage
- (2) Integral—damaged during accident
- (3) Adjustable—no damage
- (4) Adjustable—damaged during accident
- (5) Add-on—no damage
- (6) Add-on—damaged during accident
- (8) Other (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

26. Seat Type (this Occupant Position) 03

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify): \_\_\_\_\_

(10) Box mounted seat (i.e., van type) \_\_\_\_\_

(99) Unknown \_\_\_\_\_

27. Seat Performance (this Occupant Position) 4

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed (specify): \_\_\_\_\_
- (4) Seat track/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify): flatt \_\_\_\_\_

(7) Combination of above (specify): \_\_\_\_\_

(8) Other (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

## CHILD SAFETY SEAT

28. Child Safety Seat Make/Model

(000) No child safety seat

Applicable codes are found in your NASS CDS  
Data Collection, Coding and Editing

(950) Built-in child safety seat

(997) Other make/model (specify):

(998) Unknown make/model

(999) Unknown if child safety seat used

29. Type of Child Safety Seat

(0) No child safety seat

(1) Infant seat

(2) Toddler seat

(3) Convertible seat

(4) Booster seat

(7) Other type child safety seat (specify):

(8) Unknown child safety seat type

(9) Unknown if child safety seat used

30. Child Safety Seat Orientation

(00) No child safety seat

*Designed for Rear Facing for This Age/Weight*

(01) Rear facing

(02) Forward facing

(08) Other orientation (specify):

(09) Unknown orientation

*Designed For Forward Facing for This Age/Weight*

(11) Rear facing

(12) Forward facing

(18) Other orientation (specify):

(19) Unknown orientation

*Unknown Design or Orientation For This  
Age/Weight, or Unknown Age/Weight*

(21) Rear facing

(22) Forward facing

(28) Other orientation (specify):

(29) Unknown orientation

(99) Unknown if child safety seat used

31. Child Safety Seat Harness Usage

32. Child Safety Seat Shield Usage

33. Child Safety Seat Tether Usage

Note: Options below applicable to  
Variables OA31-OA33.

(00) No child safety seat

*Not Designed With Harness/Shield/Tether*(01) After market harness/shield/tether  
added, not used

(02) After market harness/shield/tether used

(03) Child safety seat used, but no after market  
harness/shield/tether added(09) Unknown if harness/shield/tether  
added or used*Designed With Harness/Shield/Tether*

(11) Harness/shield/tether not used

(12) Harness/shield/tether used

(19) Unknown if harness/shield/tether used

*Unknown If Designed With Harness/Shield/Tether*

(21) Harness/shield/tether not used

(22) Harness/shield/tether used

(29) Unknown if harness/shield/tether used

(99) Unknown if child safety seat used

## INJURY CONSEQUENCES

34. Injury Severity (Police Rating) 4

- (0) O - No injury
- (1) C - Possible injury
- (2) B - Nonincapacitating injury
- (3) A - Incapacitating injury
- (4) K - Killed
- (5) U - Injury, severity unknown
- (6) Died prior to accident
- (9) Unknown

35. Treatment - Mortality 1

- (0) No treatment
- (1) Fatal
- (2) Fatal - ruled disease (specify):

*Nonfatal*

- (3) Hospitalization
- (4) Transported and released
- (5) Treatment at scene - nontransported
- (6) Treatment later
- (8) Treatment - other (specify):
- (9) Unknown

36. Type Of Medical Facility (for Initial Treatment) 2

- (0) Not treated at a medical facility
- (1) Trauma center
- (2) Hospital
- (3) Medical clinic
- (4) Physician's office
- (5) Treatment later at medical facility
- (8) Other (specify):
- (9) Unknown

37. Hospital Stay 00

- (00) Not Hospitalized
- Code the number of days (up through 60) that the occupant stayed in hospital.
- (61) 61 days or more
- (99) Unknown

38. Working Days Lost 97

- Code the number of days (up through 60) that the occupant lost from work due to the accident
- (00) No working days lost
- (61) 61 days or more
- (62) Fatally injured
- (97) Not working prior to accident
- (99) Unknown

**STOP - GO TO VARIABLE 44 ON PAGE 7****VARIABLES 39 THROUGH 43 ARE COMPLETED BY THE ZONE CENTER**39. Time to Death 05

- Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, ... n days = 30 + n up through 30 days = 60)
- (00) Not fatal
- (96) Fatal - ruled disease
- (99) Unknown

40. 1st Medically Reported Cause of Death 0641. 2nd Medically Reported Cause of Death 9942. 3rd Medically Reported Cause of Death 99

- Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death
- (00) Not fatal or no additional causes
- (96) Mode of death given but specific injuries are not linked to cause of death. (specify):

- (97) Other result (includes fatal ruled disease) (specify):

- (99) Unknown

43. Number of Recorded Injuries for This Occupant 24

- Code the actual number of injuries recorded for this occupant.
- (00) No recorded injuries
- (97) Injured, details unknown
- (99) Unknown if injured



## AUTOMATIC BELT SYSTEM

44. Automatic (Passive) Belt System Availability/Function 0

- (0) Not equipped/not available  
 (1) 2 point automatic belts  
 (2) 3 point automatic belts  
 (3) Automatic belts - type unknown

*Non-functional*

- (4) Automatic belts destroyed or rendered inoperative  
 (9) Unknown

45. Automatic (Passive) Belt System Use 0

- (0) Not equipped/not available/destroyed or rendered inoperative  
 (1) Automatic belt in use  
 (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify):  
 (3) Automatic belt use unknown  
 (9) Unknown

46. Automatic (Passive) Belt System Type 0

- (0) Not equipped/not available  
 (1) Non-motorized system  
 (2) Motorized system  
 (9) Unknown

47. Proper Use of Automatic (Passive) Belt System 0

- (0) Not equipped/not available/not used  
 (1) Automatic belt used properly  
 (2) Automatic belt used properly with child safety seat

*Automatic Belt Used Improperly*

- (3) Automatic shoulder belt worn under arm  
 (4) Automatic shoulder belt worn behind back  
 (5) Automatic belt worn around more than one person  
 (6) Lap portion of automatic belt worn on abdomen  
 (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):

- (8) Other improper use of automatic belt system (specify):  
 (9) Unknown

48. Automatic (Passive) Belt Failure Modes During Accident 0

- (0) Not equipped/not available/not in use  
 (1) No automatic belt failure(s)  
 (2) Torn webbing (stretched webbing not included)  
 (3) Broken buckle or latchplate  
 (4) Upper anchorage separated  
 (5) Other anchorage separated (specify):  
 (6) Broken retractor  
 (7) Combination of above (specify):  
 (8) Other automatic belt failure (specify):  
 (9) Unknown

49. Seat Orientation (this Occupant Position) 1

- (0) Occupant not seated or no seat  
 (1) Forward facing seat  
 (2) Rear facing seat  
 (3) Side facing seat (inward)  
 (4) Side facing seat (outward)  
 (8) Other (specify):  
 (9) Unknown

## Check the Primary Source Used In Determining Belt Use.

- [ ] Not equipped/not available/destroyed or rendered inoperative  
 [✓] Vehicle inspection  
 [ ] Official injury data  
 [ ] Driver/occupant interview  
 [✓] Other (specify): Police report  
 [ ] Unknown if belt used

ARE ALL APPLICABLE MEDICAL RECORDS INCLUDED WITH INITIAL SUBMISSION?

NO [ ] YES [ ]

UPDATE CANDIDATE?

NO [ ] YES [ ]

**STOP - VARIABLES 50 THROUGH 53 ARE  
COMPLETED BY THE ZONE CENTER****TRAUMA DATA**

50. Glasgow Coma Scale (GCS) Score 02  
(at Medical Facility)  
(00) Not injured  
(01) Injured - not treated at medical facility  
(02) No GCS Score at medical facility  
(03-15) Code the actual value of the  
initial GCS Score recorded at medical  
facility.  
(97) Injured, details unknown  
(99) Unknown if injured

51. Was the Occupant Given Blood? 9  
(1) No - blood not given  
(2) Yes - blood given  
(specify units): \_\_\_\_\_  
(9) Unknown if blood given

52. Arterial Blood Gases (ABG) -  $\text{HCO}_3$  01  
(00) Not injured  
(01) Injured, ABGs not measured or reported  
(02-50) Code the actual value of the  $\text{HCO}_3$   
(96) ABGs reported,  $\text{HCO}_3$  unknown  
(97) Injured, details unknown  
(99) Unknown if injured

**BELT USE DETERMINATION**

53. Primary Source of Belt Use Determination 1  
(0) Not equipped/not available/destroyed  
or rendered inoperative  
(1) Vehicle inspection  
(2) Official injury data  
(3) Driver/occupant interview  
(8) Other (specify): \_\_\_\_\_  
(9) Unknown if belt used



# OCCUPANT INJURY FORM

1. Primary Sampling Unit Number     

3. Vehicle Number 01

2. Case Number - Stratum 94-22

4. Occupant Number 03

## INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

Source of Injury Data	A.I.S. - 90						Injury Source	Injury Source Confidence Level	Direct/Indirect Injury	Occupant Area Intrusion Number	
	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect					
Skull/face 1st	5. <u>1</u>	6. <u>1</u>	7. <u>5</u>	8. <u>04</u>	9. <u>02</u>	10. <u>2</u>	11. <u>1</u>	12. <u>46</u> Self	13. <u>2</u>	14. <u>1</u>	15. <u>97</u>
Subdural 2nd	16. <u>1</u>	17. <u>1</u>	18. <u>4</u>	19. <u>06</u>	20. <u>52</u>	21. <u>4</u>	22. <u>9</u>	23. <u>46</u> Self	24. <u>2</u>	25. <u>1</u>	26. <u>97</u>
Subarachnoid 3rd	27. <u>1</u>	28. <u>1</u>	29. <u>4</u>	30. <u>06</u>	31. <u>84</u>	32. <u>3</u>	33. <u>9</u>	34. <u>46</u> Self	35. <u>2</u>	36. <u>1</u>	37. <u>97</u>
Pituitary Cerebral cont 4th	38. <u>1</u>	39. <u>1</u>	40. <u>4</u>	41. <u>04</u>	42. <u>02</u>	43. <u>3</u>	44. <u>6</u>	45. <u>46</u> Self	46. <u>2</u>	47. <u>1</u>	48. <u>97</u>
Cerebellum cont 5th	49. <u>1</u>	50. <u>1</u>	51. <u>4</u>	52. <u>04</u>	53. <u>02</u>	54. <u>3</u>	55. <u>6</u>	56. <u>46</u> Self	57. <u>2</u>	58. <u>1</u>	59. <u>00</u>
Cerebral lax 6th	60. <u>1</u>	61. <u>1</u>	62. <u>4</u>	63. <u>06</u>	64. <u>88</u>	65. <u>4</u>	66. <u>9</u>	67. <u>46</u> Self	68. <u>2</u>	69. <u>1</u>	70. <u>00</u>
Transtentorial artery 7th	71. <u>1</u>	72. <u>2</u>	73. <u>2</u>	74. <u>02</u>	75. <u>04</u>	76. <u>3</u>	77. <u>1</u>	78. <u>46</u> Self	79. <u>2</u>	80. <u>1</u>	81. <u>00</u>
Atlanto/occ dioid 8th	82. <u>1</u>	83. <u>6</u>	84. <u>5</u>	85. <u>02</u>	86. <u>08</u>	87. <u>2</u>	88. <u>6</u>	89. <u>46</u> Self	90. <u>2</u>	91. <u>1</u>	92. <u>00</u>
Eye 9th	93. <u>1</u>	94. <u>6</u>	95. <u>5</u>	96. <u>04</u>	97. <u>16</u>	98. <u>2</u>	99. <u>7</u>	100. <u>41</u>	101. <u>1</u>	102. <u>1</u>	103. <u>00</u>
Ear 10th	104. <u>1</u>	105. <u>6</u>	106. <u>5</u>	107. <u>06</u>	108. <u>16</u>	109. <u>2</u>	110. <u>8</u>	111. <u>41</u>	112. <u>1</u>	113. <u>1</u>	114. <u>00</u>

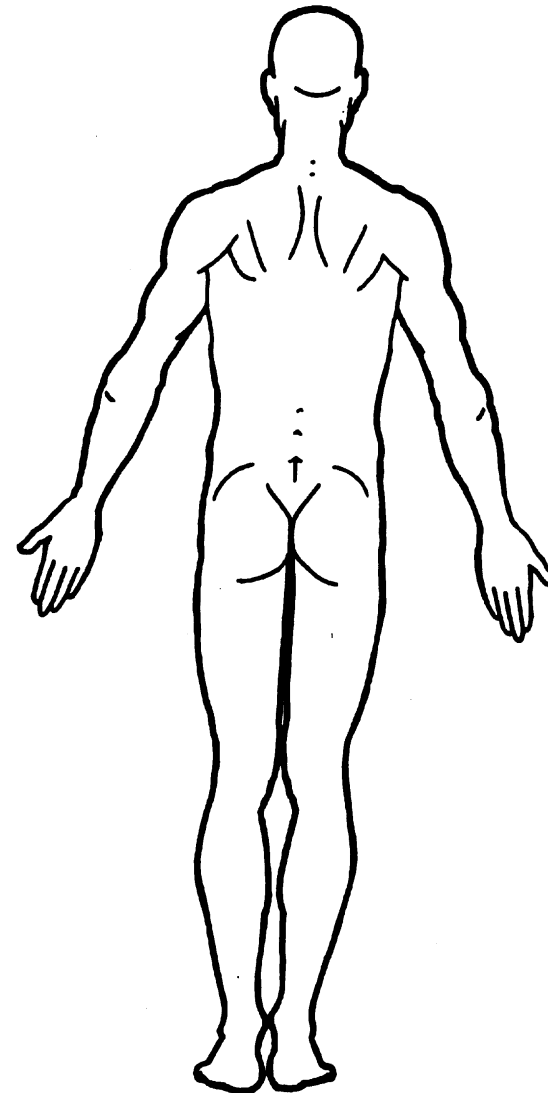
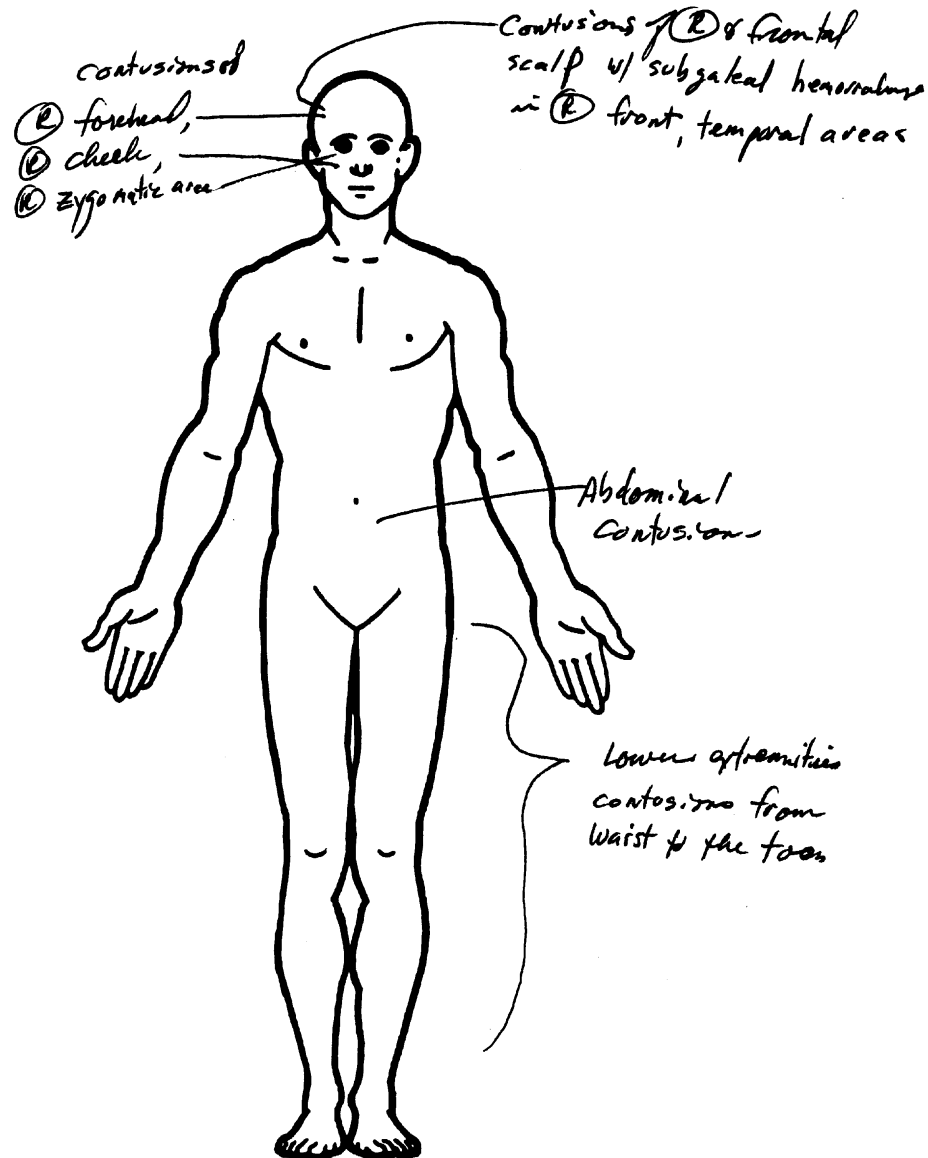
**A.I.S. - 90**

[illegible]



# OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



**SOURCE OF INJURY DATA****OFFICIAL**

- (1) Autopsy records with or without hospital/medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

**UNOFFICIAL**

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): \_\_\_\_\_
- (9) Police

**INJURY SOURCE****FRONT**

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify): \_\_\_\_\_
- (19) Other front object (specify): \_\_\_\_\_

**LEFT SIDE**

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify): \_\_\_\_\_

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify): \_\_\_\_\_

- (28) Left side window sill

**RIGHT SIDE**

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify): \_\_\_\_\_

- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify): \_\_\_\_\_

- (38) Right side window sill

**INTERIOR**

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify): \_\_\_\_\_
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify): \_\_\_\_\_
- (47) Interior loose objects
- (48) Child safety seat (specify): \_\_\_\_\_
- (49) Other interior object (specify): \_\_\_\_\_

**ROOF**

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

**FLOOR**

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

**REAR**

- (60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): \_\_\_\_\_

**EXTERIOR OF OCCUPANT'S VEHICLE**

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): \_\_\_\_\_
- (68) Unknown exterior objects

**EXTERIOR OF OTHER MOTOR VEHICLE**

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): \_\_\_\_\_

- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): \_\_\_\_\_

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): \_\_\_\_\_

- (83) Unknown exterior of other motor vehicle

**OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT**

- (84) Ground
- (85) Other vehicle or object (specify): \_\_\_\_\_
- (86) Unknown vehicle or object

**NONCONTACT INJURY**

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): \_\_\_\_\_
- (93) Air bag exhaust gases
- (97) Injured, unknown source

**INJURY SOURCE CONFIDENCE LEVEL**

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

**DIRECT/INDIRECT INJURY**

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

**OCCUPANT INJURY CLASSIFICATION****Body Region**

- (1) Head
- (2) Face
- (3) Neck
- (4) Thorax
- (5) Abdomen
- (6) Spine
- (7) Upper Extremity
- (8) Lower Extremity
- (9) Unspecified

**Type of Anatomic Structure**

- (1) Whole Area
- (2) Vessels
- (3) Nerves
- (4) Organs (includes muscles/ligaments)
- (5) Skeletal (includes joints)
- (6) Head - LOC
- (9) Skin

**Specific Anatomic Structure****Whole Area**

- (02) Skin - Abrasion
- (04) Skin - Contusion
- (06) Skin - Laceration
- (08) Skin - Avulsion
- (10) Amputation
- (20) Burn
- (30) Crush
- (40) Degloving
- (50) Injury - NFS
- (90) Trauma, other than mechanical

**Head - LOC**

- (02) Length of LOC
- (04, 06, 08) Level of Consciousness
- (10) Concussion

**Spine**

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

Vessels, Nerves, Organs, Bones, Joints are assigned consecutive two digit numbers beginning with 02

**Level of Injury**

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

**Abbreviated Injury Scale**

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

**Aspect**

- (1) Right
- (2) Left
- (3) Bilateral
- (4) Central
- (5) Anterior
- (6) Posterior
- (7) Superior
- (8) Inferior
- (9) Unknown
- (0) Whole region

# OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

\_\_\_ No

\_\_\_ Yes

Blood Alcohol  
Level (mg/dl)

BAL = \_\_\_

Glasgow Coma  
Scale Score

GCSS = \_\_\_

Units of Blood  
Given

Units = \_\_\_

Arterial Blood  
Gases

pH = \_\_\_

PO<sub>2</sub> = \_\_\_

PCO<sub>2</sub> = \_\_\_

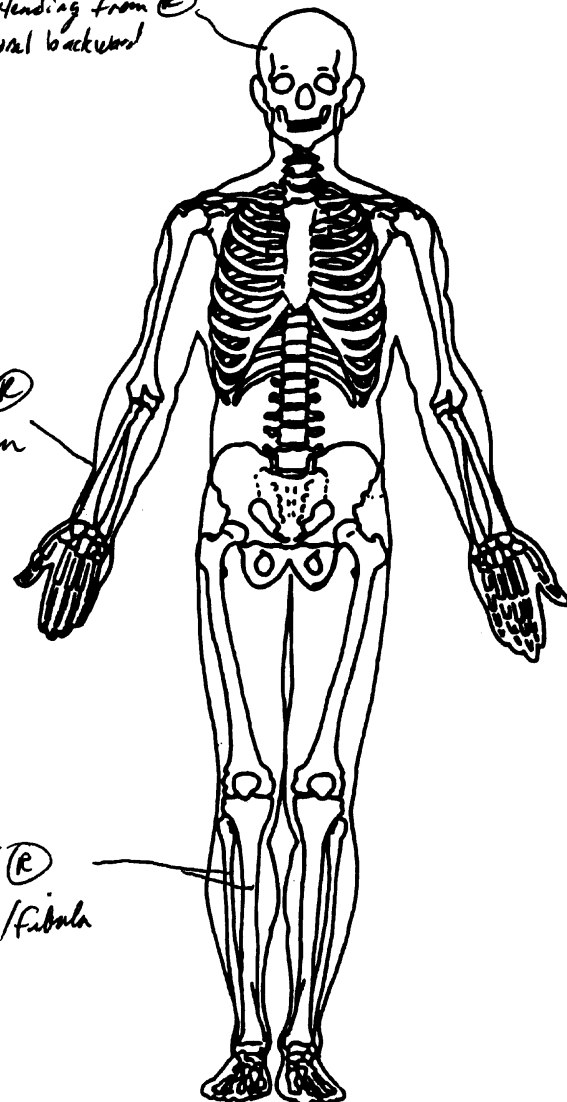
HCO<sub>3</sub> = \_\_\_

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

fx of skull  
attending from  
temporal backward

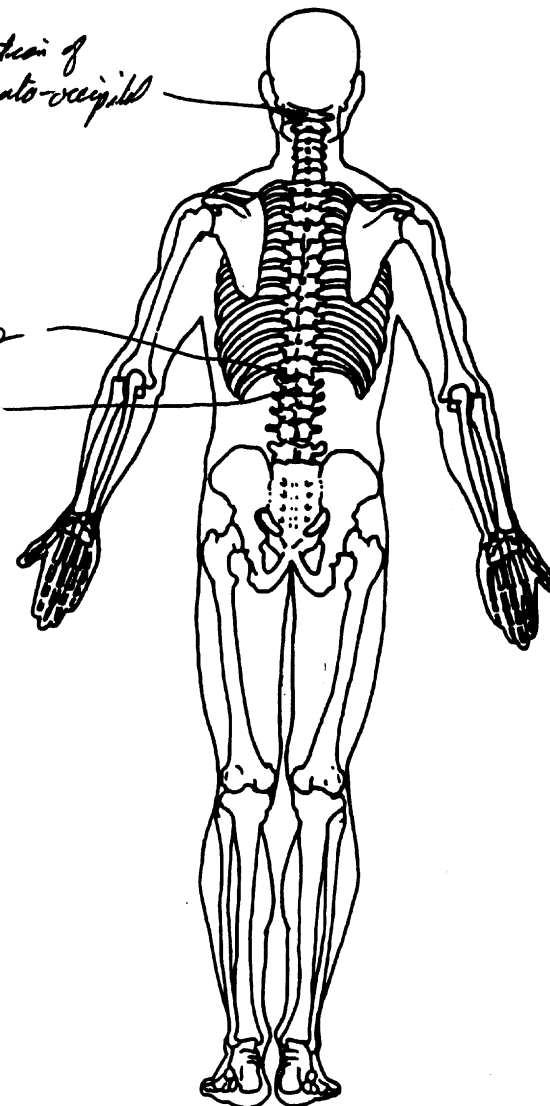
fx (R)  
forearm

fx (R)  
tibia/fibula



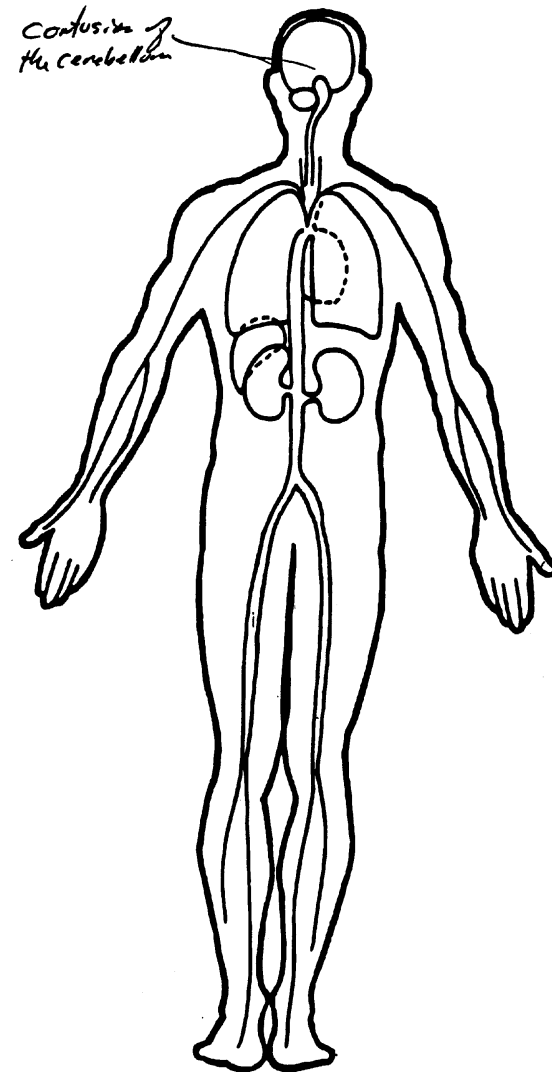
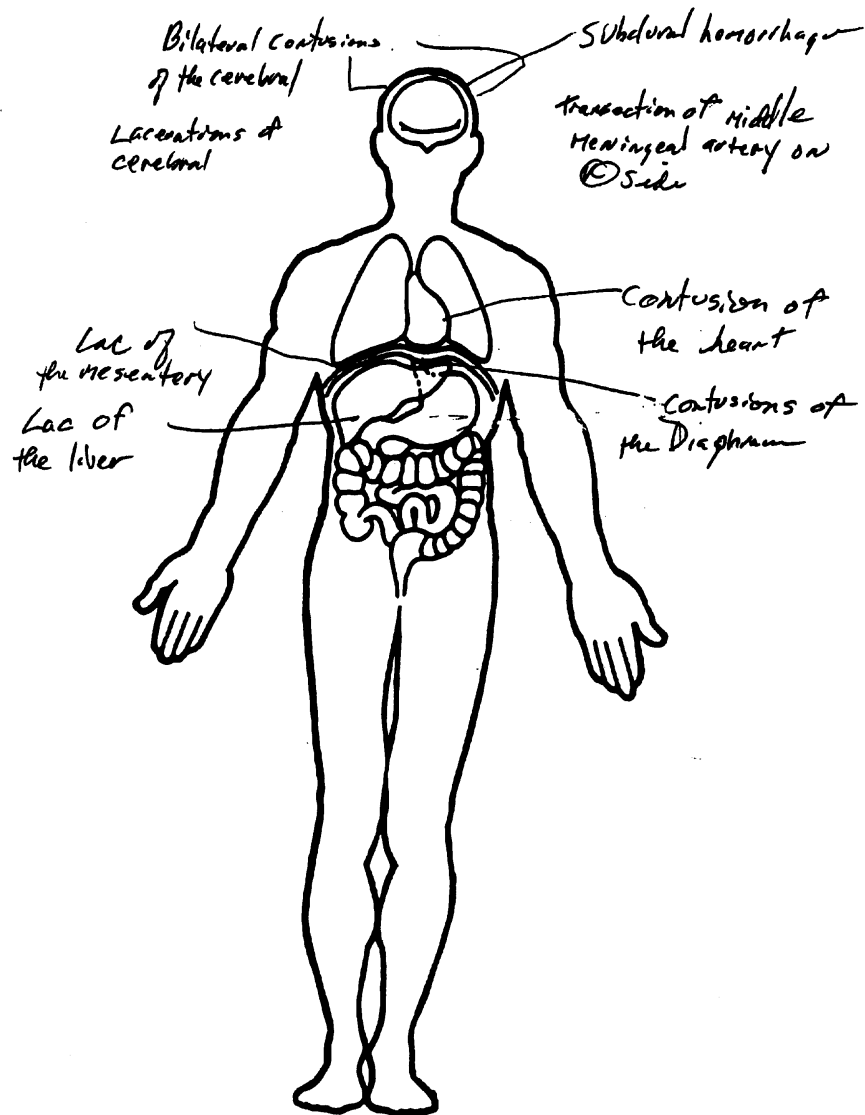
Dislocation of  
the atlanto-occipital

fx T12  
fx L1



## OFFICIAL INJURY DATA — INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)







# OCCUPANT ASSESSMENT FORM

BEST AVAILABLE

Form Approved  
O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

2. Case Number - Stratum

3. Vehicle Number

4. Occupant Number

## OCCUPANT'S CHARACTERISTICS

5. Occupant's Age

Code actual age at time of accident.

(00) Less than one year old (specify by month):

(97) 97 years and older

(99) Unknown

6. Occupant's Sex

(1) Male

(2) Female

(9) Unknown

7. Occupant's Height

Code actual height to the nearest  
centimeter.

(999) Unknown

\_\_\_\_\_ inches X 2.54 = \_\_\_\_\_ centimeters

8. Occupant's Weight

Code actual weight to the nearest  
kilogram.

(999) Unknown

\_\_\_\_\_ pounds X .4536 = \_\_\_\_\_ kilograms

9. Occupant's Role

(1) Driver

(2) Passenger

(9) Unknown

## OCCUPANT'S SEATING

10. Occupant's Seat Position

*Front Seat*

(11) Left side

(12) Middle

(13) Right side

(14) Other (specify):

(15) On or in the lap of another occupant

*Second Seat*

(21) Left side

(22) Middle

(23) Right side

(24) Other (specify):

(25) On or in the lap of another occupant

*Third Seat*

(31) Left side

(32) Middle

(33) Right side

(34) Other (specify):

(35) On or in the lap of another occupant

*Fourth Seat*

(41) Left side

(42) Middle

(43) Right side

(44) Other (specify):

(45) On or in the lap of another occupant

(97) In or on unenclosed area

(98) Other seat (specify):

(99) Unknown

11. Occupant's Posture

(0) Normal posture

*Abnormal posture*

(1) Kneeling or standing on seat

(2) Lying on or across seat

(3) Kneeling, standing or sitting in front of seat

(4) Sitting sideways or turned to talk with another  
occupant or to look out a rear window

(5) Sitting on a console

(6) Lying back in a reclined seat position

(7) Bracing with feet or hands on a surface in front  
of seat

(8) Other abnormal posture (specify):

(9) Unknown

## EJECTION/ENTRAPMENT

12. Ejection 0

- (0) No ejection
- (1) Complete ejection
- (2) Partial ejection
- (3) Ejection, unknown degree
- (9) Unknown

13. Ejection Area 0

- (0) No ejection
- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear
- (7) Roof
- (8) Other area (e.g., back of pickup, etc.)  
(specify): \_\_\_\_\_
- (9) Unknown

14. Ejection Medium 0

- (0) No ejection
- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify): \_\_\_\_\_
- (5) Integral structure
- (8) Other medium (specify): \_\_\_\_\_
- (9) Unknown

15. Medium Status (Immediately Prior To Impact) 0

- (0) No ejection
- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

16. Entrapment 0

(NOTE: Entrapped means that part of the person was in the vehicle and mechanically restrained; jammed doors and immobilizing injuries by themselves are not sufficient to constitute entrapment.)

- (0) Not entrapped
- (1) Entrapped
- (9) Unknown

## RESTRAINT SYSTEM EVALUATION

17. Manual (Active) Belt System Availability 3

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available—type unknown

*Integral Belt Partially Destroyed*

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)

(8) Other belt (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

18. Manual (Active) Belt System Use 03

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperative (specify): \_\_\_\_\_

(02) Shoulder belt \_\_\_\_\_

(03) Lap belt \_\_\_\_\_

(04) Lap and shoulder belt \_\_\_\_\_

(05) Belt used—type unknown \_\_\_\_\_

(08) Other belt used (specify): \_\_\_\_\_

(12) Shoulder belt used with child safety seat \_\_\_\_\_

(13) Lap belt used with child safety seat \_\_\_\_\_

(14) Lap and shoulder belt used with child safety seat \_\_\_\_\_

(15) Belt used with child safety seat—type unknown \_\_\_\_\_

(18) Other belt used with child safety seat (specify): \_\_\_\_\_

(99) Unknown if belt used \_\_\_\_\_

19. Proper Use of Manual (Active) Belts 1

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

*Belt Used Improperly*

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): \_\_\_\_\_

(8) Other improper use of manual belt system (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

20. Manual (Active) Belt Failure Modes During Accident 1

- (0) No manual belt used
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify): \_\_\_\_\_

(6) Broken retractor \_\_\_\_\_

(7) Combination of above (specify): \_\_\_\_\_

(8) Other manual belt failure (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

21. Air Bag System Availability/Function 0

- (0) Not equipped/not available
- (1) Air bag

*Non-functional*

(2) Air bag disconnected (specify): \_\_\_\_\_

(3) Air bag not reinstalled \_\_\_\_\_

(9) Unknown \_\_\_\_\_

22. Air Bag System Deployment 0

- (0) Not equipped/not available
- (1) Air bag deployed during accident (as a result of impact)
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined
- (4) Nondeployed
- (5) Unknown if deployed
- (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (9) Unknown

23. Are There Indications of Air Bag System Failure? 0

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts

24. Police Reported Restraint Use 3

- (0) None used
- (1) Police did not indicate restraint use
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt used, type not specified
- (6) Child safety seat
- (7) Other or automatic restraint (specify): \_\_\_\_\_
- (8) Restrained, type unknown \_\_\_\_\_
- (9) Police indicated "unknown"

## HEAD RESTRAINT AND SEAT EVALUATION

25. Head Restraint Type/Damage by Occupant  
at This Occupant Position 0

- (0) No head restraints
- (1) Integral—no damage
- (2) Integral—damaged during accident
- (3) Adjustable—no damage
- (4) Adjustable—damaged during accident
- (5) Add-on—no damage
- (6) Add-on—damaged during accident
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown \_\_\_\_\_

26. Seat Type (this Occupant Position) 0 3

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify): \_\_\_\_\_
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

27. Seat Performance (this Occupant Position) 6

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed (specify): \_\_\_\_\_
- (4) Seat track/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify): Floor
- (7) Combination of above (specify): \_\_\_\_\_
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown



## CHILD SAFETY SEAT

28. Child Safety Seat Make/Model 000

(000) No child safety seat

Applicable codes are found in your NASS CDS  
Data Collection, Coding and Editing

(950) Built-in child safety seat

(997) Other make/model (specify):

(998) Unknown make/model

(999) Unknown if child safety seat used

29. Type of Child Safety Seat 0

(0) No child safety seat

(1) Infant seat

(2) Toddler seat

(3) Convertible seat

(4) Booster seat

(7) Other type child safety seat (specify):

(8) Unknown child safety seat type

(9) Unknown if child safety seat used

30. Child Safety Seat Orientation 00

(00) No child safety seat

*Designed for Rear Facing for This Age/Weight*

(01) Rear facing

(02) Forward facing

(08) Other orientation (specify):

(09) Unknown orientation*Designed For Forward Facing for This Age/Weight*

(11) Rear facing

(12) Forward facing

(18) Other orientation (specify):

(19) Unknown orientation*Unknown Design or Orientation For This  
Age/Weight, or Unknown Age/Weight*

(21) Rear facing

(22) Forward facing

(28) Other orientation (specify):

(29) Unknown orientation

(99) Unknown if child safety seat used

31. Child Safety Seat Harness Usage 0032. Child Safety Seat Shield Usage 0033. Child Safety Seat Tether Usage 00Note: Options below applicable to  
Variables OA31-OA33.

(00) No child safety seat

*Not Designed With Harness/Shield/Tether*(01) After market harness/shield/tether  
added, not used

(02) After market harness/shield/tether used

(03) Child safety seat used, but no after market  
harness/shield/tether added(09) Unknown if harness/shield/tether  
added or used*Designed With Harness/Shield/Tether*

(11) Harness/shield/tether not used

(12) Harness/shield/tether used

(19) Unknown if harness/shield/tether used

*Unknown If Designed With Harness/Shield/Tether*

(21) Harness/shield/tether not used

(22) Harness/shield/tether used

(29) Unknown if harness/shield/tether used

(99) Unknown if child safety seat used

## INJURY CONSEQUENCES

34. Injury Severity (Police Rating) 4

- (0) O - No injury
- (1) C - Possible injury
- (2) B - Nonincapacitating injury
- (3) A - Incapacitating injury
- (4) K - Killed
- (5) U - Injury, severity unknown
- (6) Died prior to accident
- (9) Unknown

35. Treatment - Mortality 1

- (0) No treatment
- (1) Fatal
- (2) Fatal - ruled disease (specify):

*Nonfatal*

- (3) Hospitalization
- (4) Transported and released
- (5) Treatment at scene - nontransported
- (6) Treatment later
- (8) Treatment - other (specify):
- (9) Unknown

36. Type Of Medical Facility (for Initial Treatment) 2

- (0) Not treated at a medical facility
- (1) Trauma center
- (2) Hospital
- (3) Medical clinic
- (4) Physician's office
- (5) Treatment later at medical facility
- (8) Other (specify):
- (9) Unknown

37. Hospital Stay 00

- (00) Not Hospitalized
- Code the number of days (up through 60) that the occupant stayed in hospital.
- (61) 61 days or more
- (99) Unknown

38. Working Days Lost 97

- Code the number of days (up through 60) that the occupant lost from work due to the accident
- (00) No working days lost
- (61) 61 days or more
- (62) Fatally injured
- (97) Not working prior to accident
- (99) Unknown

**STOP - GO TO VARIABLE 44 ON PAGE 7****VARIABLES 39 THROUGH 43 ARE COMPLETED BY THE ZONE CENTER**39. Time to Death 01

- Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, ... n days = 30 + n up through 30 days = 60)
- (00) Not fatal
- (96) Fatal - ruled disease
- (99) Unknown

40. 1st Medically Reported Cause of Death 0341. 2nd Medically Reported Cause of Death 0842. 3rd Medically Reported Cause of Death 09

- Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death
- (00) Not fatal or no additional causes
- (96) Mode of death given but specific injuries are not linked to cause of death. (specify):

(97) Other result (includes fatal ruled disease) (specify):

(99) Unknown

43. Number of Recorded Injuries for This Occupant 16

- Code the actual number of injuries recorded for this occupant.
- (00) No recorded injuries
- (97) Injured, details unknown
- (99) Unknown if injured

## AUTOMATIC BELT SYSTEM

44. Automatic (Passive) Belt System Availability/ Function 0

- (0) Not equipped/not available  
 (1) 2 point automatic belts  
 (2) 3 point automatic belts  
 (3) Automatic belts - type unknown

*Non-functional*

- (4) Automatic belts destroyed or rendered inoperative  
 (9) Unknown

45. Automatic (Passive) Belt System Use 0

- (0) Not equipped/not available/destroyed or rendered inoperative  
 (1) Automatic belt in use  
 (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify):  
 (3) Automatic belt use unknown  
 (9) Unknown

46. Automatic (Passive) Belt System Type 0

- (0) Not equipped/not available  
 (1) Non-motorized system  
 (2) Motorized system  
 (9) Unknown

47. Proper Use of Automatic (Passive) Belt System 0

- (0) Not equipped/not available/not used  
 (1) Automatic belt used properly  
 (2) Automatic belt used properly with child safety seat

*Automatic Belt Used Improperly*

- (3) Automatic shoulder belt worn under arm  
 (4) Automatic shoulder belt worn behind back  
 (5) Automatic belt worn around more than one person  
 (6) Lap portion of automatic belt worn on abdomen  
 (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):

- (8) Other improper use of automatic belt system (specify):  
 (9) Unknown

48. Automatic (Passive) Belt Failure Modes During Accident 0

- (0) Not equipped/not available/not in use  
 (1) No automatic belt failure(s)  
 (2) Torn webbing (stretched webbing not included)  
 (3) Broken buckle or latchplate  
 (4) Upper anchorage separated  
 (5) Other anchorage separated (specify):  
 (6) Broken retractor  
 (7) Combination of above (specify):  
 (8) Other automatic belt failure (specify):  
 (9) Unknown

49. Seat Orientation (this Occupant Position) 1

- (0) Occupant not seated or no seat  
 (1) Forward facing seat  
 (2) Rear facing seat  
 (3) Side facing seat (inward)  
 (4) Side facing seat (outward)  
 (8) Other (specify):  
 (9) Unknown

Check the Primary Source Used In Determining Belt Use.

- [ ] Not equipped/not available/destroyed or rendered inoperative  
 [x] Vehicle inspection  
 [ ] Official injury data  
 [ ] Driver/occupant interview  
 [x] Other (specify): Police  
 [ ] Unknown if belt used

ARE ALL APPLICABLE MEDICAL RECORDS INCLUDED WITH INITIAL SUBMISSION?

NO [ ] YES [ ]

UPDATE CANDIDATE?

NO [ ] YES [ ]

**STOP - VARIABLES 50 THROUGH 53 ARE COMPLETED BY THE ZONE CENTER****TRAUMA DATA**

50. Glasgow Coma Scale (GCS) Score 0 2  
(at Medical Facility)  
(00) Not injured  
(01) Injured - not treated at medical facility  
(02) No GCS Score at medical facility  
(03-15) Code the actual value of the initial GCS Score recorded at medical facility.  
(97) Injured, details unknown  
(99) Unknown if injured

51. Was the Occupant Given Blood? 1  
(1) No - blood not given  
(2) Yes - blood given  
(specify units): \_\_\_\_\_  
(9) Unknown if blood given

52. Arterial Blood Gases (ABG) -  $\text{HCO}_3$  0 1  
(00) Not injured  
(01) Injured, ABGs not measured or reported  
(02-50) Code the actual value of the  $\text{HCO}_3$   
(96) ABGs reported,  $\text{HCO}_3$  unknown  
(97) Injured, details unknown  
(99) Unknown if injured

**BELT USE DETERMINATION**

53. Primary Source of Belt Use Determination 1  
(0) Not equipped/not available/destroyed or rendered inoperative  
(1) Vehicle inspection  
(2) Official injury data  
(3) Driver/occupant interview  
(8) Other (specify): \_\_\_\_\_  
(9) Unknown if belt used





# OCCUPANT INJURY FORM

1. Primary Sampling Unit Number       

3. Vehicle Number 01

2. Case Number - Stratum 94-22

4. Occupant Number 04

## INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

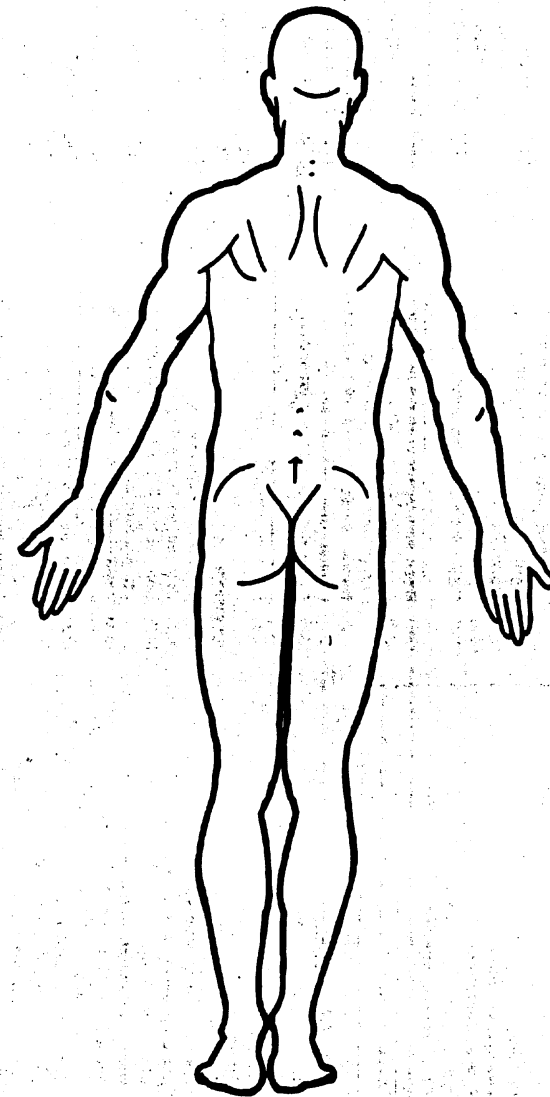
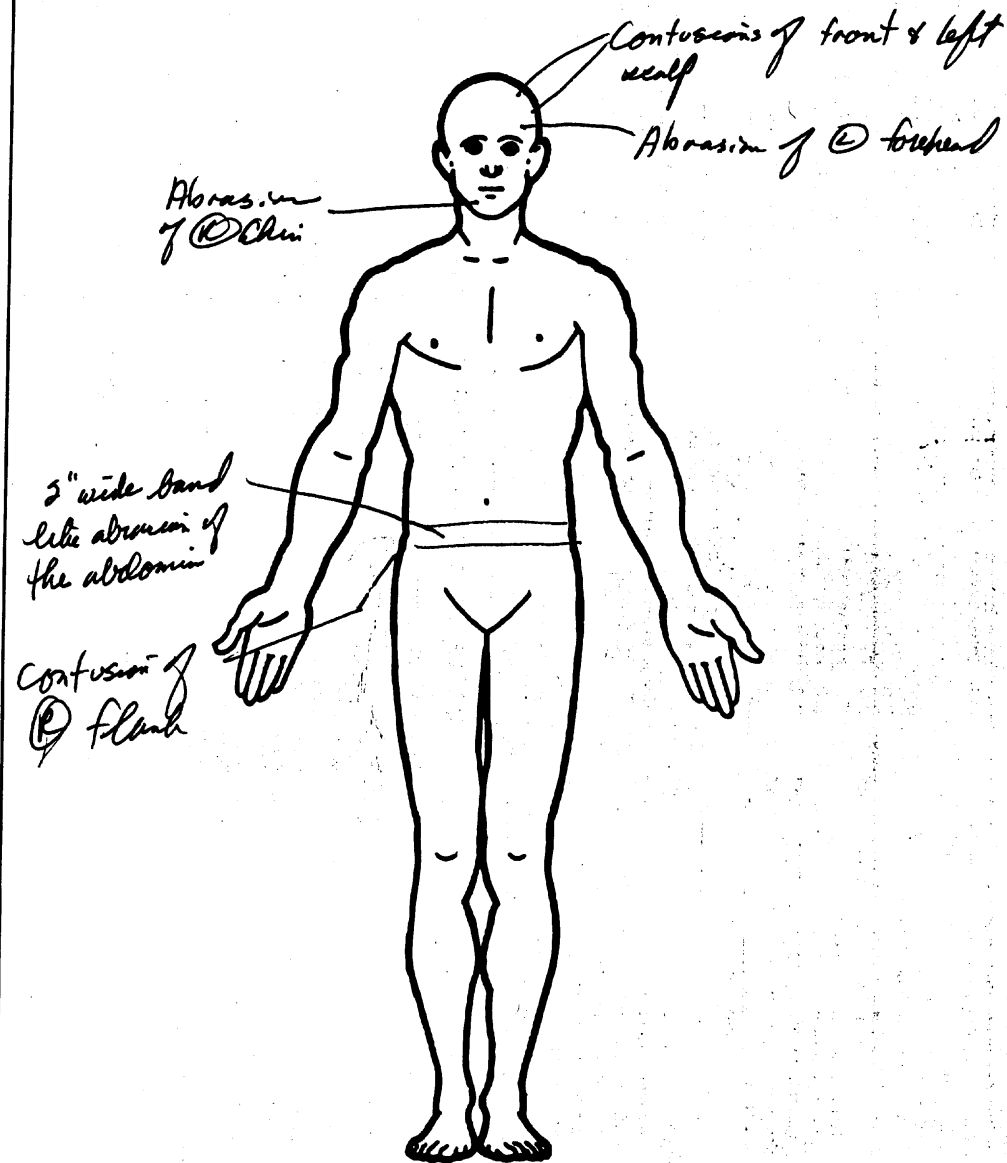
Source of Injury Data	A.I.S. - 90						Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect			

<i>Transverse spine</i> L3-L4 1st	5. <u>1</u>	6. <u>6</u>	7. <u>5</u>	8. <u>06</u>	9. <u>99</u>	10. <u>2</u>	11. <u>8</u>	12. <u>41</u>	13. <u>1</u>	14. <u>1</u>	15. <u>00</u>
<i>Spinal cord</i> 2nd	16. <u>1</u>	17. <u>6</u>	18. <u>4</u>	19. <u>06</u>	20. <u>02</u>	21. <u>3</u>	22. <u>8</u>	23. <u>41</u>	24. <u>1</u>	25. <u>1</u>	26. <u>00</u>
<i>Abd. aorta lac</i> 3rd	27. <u>1</u>	28. <u>5</u>	29. <u>2</u>	30. <u>02</u>	31. <u>08</u>	32. <u>5</u>	33. <u>4</u>	34. <u>41</u>	35. <u>1</u>	36. <u>1</u>	37. <u>00</u>
<i>Uterine lac</i> 4th	38. <u>1</u>	39. <u>5</u>	40. <u>2</u>	41. <u>10</u>	42. <u>02</u>	43. <u>2</u>	44. <u>2</u>	45. <u>41</u>	46. <u>1</u>	47. <u>1</u>	48. <u>00</u>
<i>Mesenteric lac</i> 5th	49. <u>1</u>	50. <u>5</u>	51. <u>4</u>	52. <u>20</u>	53. <u>20</u>	54. <u>2</u>	55. <u>8</u>	56. <u>41</u>	57. <u>1</u>	58. <u>1</u>	59. <u>00</u>
<i>Mesenteric cont</i> 6th	60. <u>1</u>	61. <u>5</u>	62. <u>4</u>	63. <u>20</u>	64. <u>10</u>	65. <u>2</u>	66. <u>8</u>	67. <u>41</u>	68. <u>1</u>	69. <u>1</u>	70. <u>00</u>
<i>Cervical edema</i> 7th	71. <u>1</u>	72. <u>1</u>	73. <u>4</u>	74. <u>06</u>	75. <u>68</u>	76. <u>3</u>	77. <u>9</u>	78. <u>56</u>	79. <u>2</u>	80. <u>1</u>	81. <u>97</u>
<i>Subdural</i> 8th	82. <u>1</u>	83. <u>1</u>	84. <u>4</u>	85. <u>06</u>	86. <u>52</u>	87. <u>4</u>	88. <u>9</u>	89. <u>56</u>	90. <u>2</u>	91. <u>1</u>	92. <u>97</u>
<i>Bi-lung cont</i> 9th	93. <u>1</u>	94. <u>4</u>	95. <u>4</u>	96. <u>14</u>	97. <u>10</u>	98. <u>4</u>	99. <u>3</u>	100. <u>56</u>	101. <u>2</u>	102. <u>1</u>	103. <u>97</u>
<i>Kidney cont</i> 10th	104. <u>1</u>	105. <u>5</u>	106. <u>4</u>	107. <u>16</u>	108. <u>10</u>	109. <u>2</u>	110. <u>2</u>	111. <u>41</u>	112. <u>1</u>	113. <u>1</u>	114. <u>00</u>

[illegible]

## OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



**SOURCE OF INJURY DATA****OFFICIAL**

- (1) Autopsy records with or without hospital/medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

**UNOFFICIAL**

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): \_\_\_\_\_
- (9) Police

**INJURY SOURCE****FRONT**

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify): \_\_\_\_\_
- (19) Other front object (specify): \_\_\_\_\_

**LEFT SIDE**

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify): \_\_\_\_\_

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify): \_\_\_\_\_

- (28) Left side window sill

**RIGHT SIDE**

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify): \_\_\_\_\_

- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify): \_\_\_\_\_

- (38) Right side window sill

**INTERIOR**

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify): \_\_\_\_\_
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify): \_\_\_\_\_
- (47) Interior loose objects
- (48) Child safety seat (specify): \_\_\_\_\_
- (49) Other interior object (specify): \_\_\_\_\_

**ROOF**

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

**FLOOR**

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

**REAR**

- (60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): \_\_\_\_\_

**EXTERIOR of OCCUPANT'S VEHICLE**

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): \_\_\_\_\_
- (68) Unknown exterior objects

**EXTERIOR OF OTHER MOTOR VEHICLE**

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): \_\_\_\_\_

- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): \_\_\_\_\_

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): \_\_\_\_\_

- (83) Unknown exterior of other motor vehicle

**OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT**

- (84) Ground
- (85) Other vehicle or object (specify): \_\_\_\_\_
- (86) Unknown vehicle or object

**NONCONTACT INJURY**

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): \_\_\_\_\_
- (93) Air bag exhaust gases
- (97) Injured, unknown source

**INJURY SOURCE CONFIDENCE LEVEL**

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

**DIRECT/INDIRECT INJURY**

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

**OCCUPANT INJURY CLASSIFICATION****Body Region**

- (1) Head
- (2) Face
- (3) Neck
- (4) Thorax
- (5) Abdomen
- (6) Spine
- (7) Upper Extremity
- (8) Lower Extremity
- (9) Unspecified

**Type of Anatomic Structure**

- (1) Whole Area
- (2) Vessels
- (3) Nerves
- (4) Organs (includes muscles/ligaments)
- (5) Skeletal (includes joints)
- (6) Head - LOC
- (9) Skin

**Specific Anatomic Structure**Whole Area

- (02) Skin - Abrasion
- (04) Skin - Contusion
- (06) Skin - Laceration
- (08) Skin - Avulsion
- (10) Amputation
- (20) Burn
- (30) Crush
- (40) Degloving
- (50) Injury - NFS
- (90) Trauma, other than mechanical

Head - LOC

- (02) Length of LOC
- (04, 06, 08) Level of Consciousness
- (10) Concussion

Spine

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

Vessels, Nerves, Organs, Bones, Joints are assigned consecutive two digit numbers beginning with 02

**Level of Injury**

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

**Abbreviated Injury Scale**

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

**Aspect**

- (1) Right
- (2) Left
- (3) Bilateral
- (4) Central
- (5) Anterior
- (6) Posterior
- (7) Superior
- (8) Inferior
- (9) Unknown
- (0) Whole region

# OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

\_\_\_ No

\_\_\_ Yes

Blood Alcohol  
Level (mg/dl)

BAL = \_\_\_

Glasgow Coma  
Scale Score

GCSS = \_\_\_

Units of Blood  
Given

Units = \_\_\_

Arterial Blood  
Gases

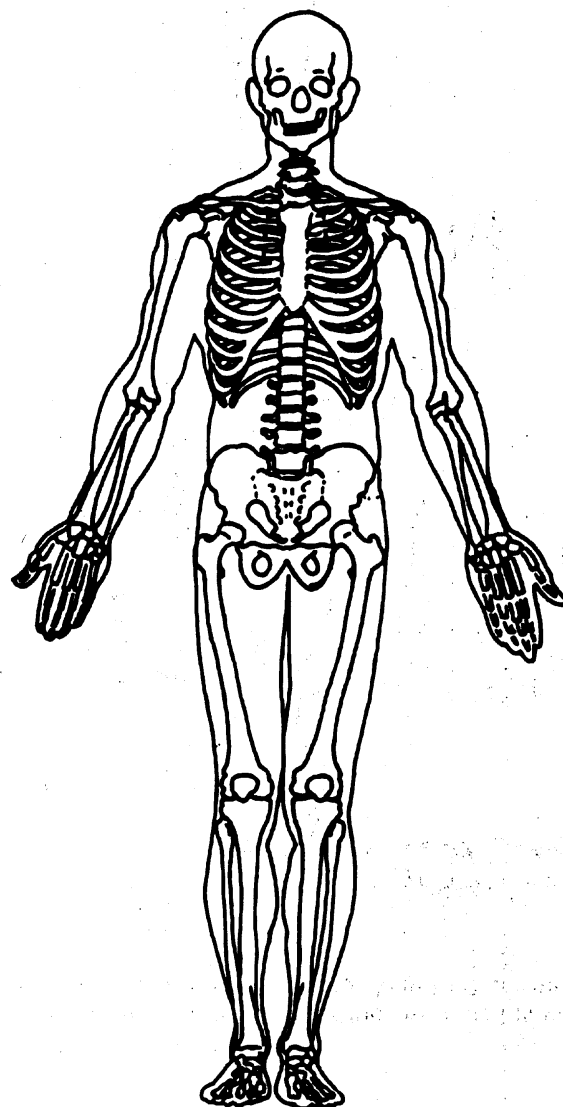
pH = \_\_\_

PO<sub>2</sub> = \_\_\_

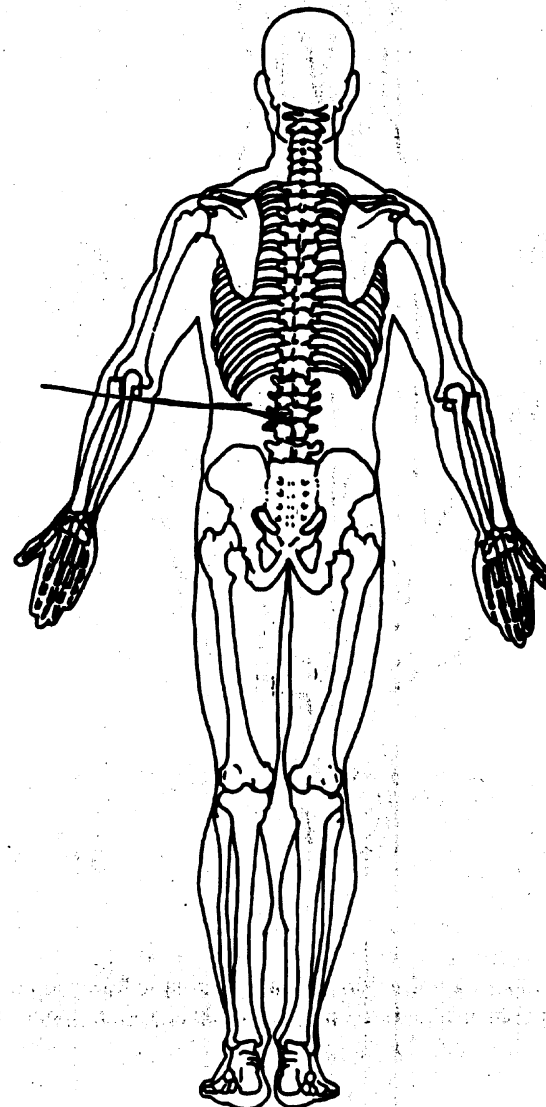
PCO<sub>2</sub> = \_\_\_

HCO<sub>3</sub> = \_\_\_

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



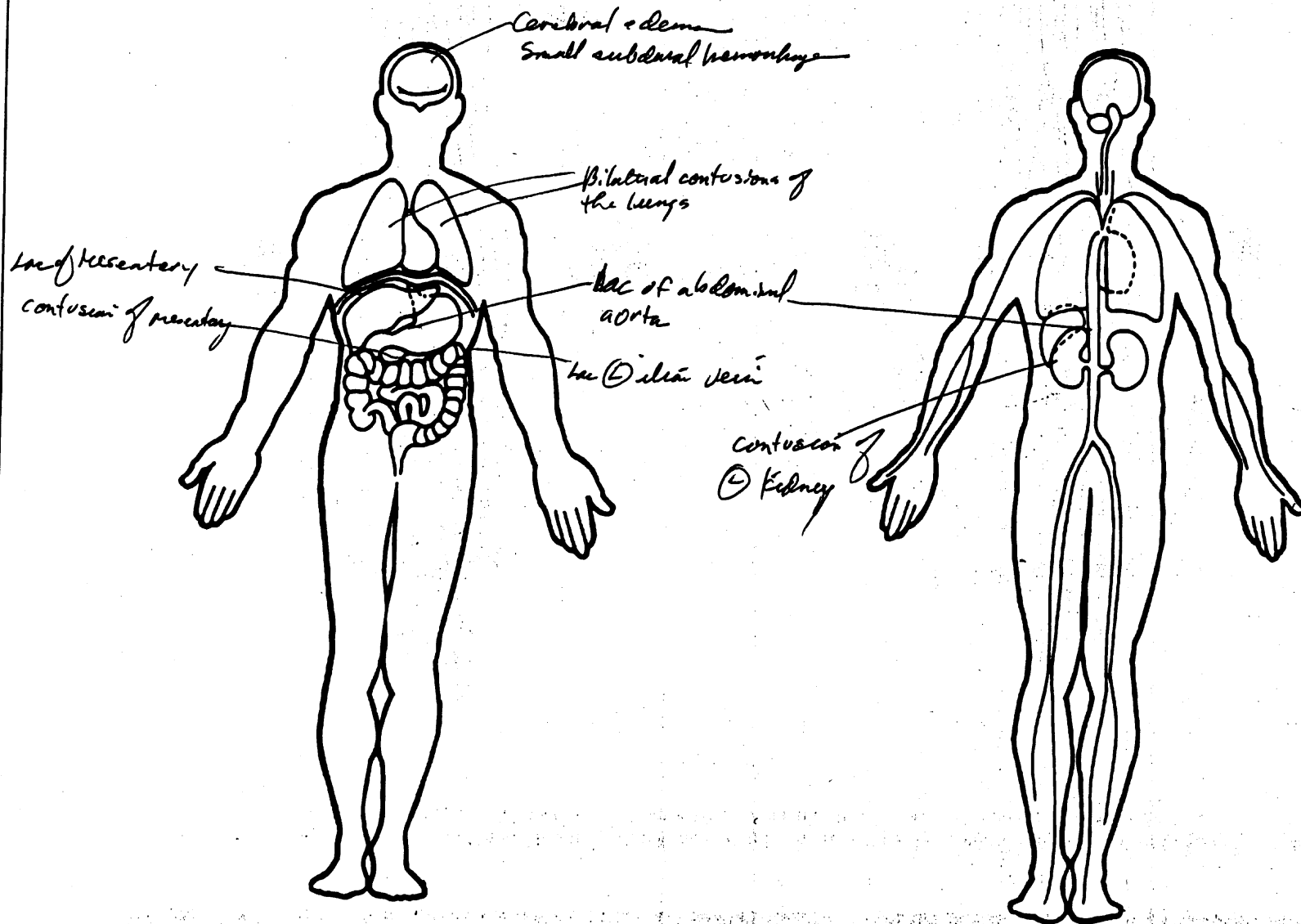
*Transverse of  
Vertebral bone  
between L3/L4  
Spinal cord  
demonstrate  
hemorrhage*





## OFFICIAL INJURY DATA — INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





# OCCUPANT ASSESSMENT FORM

BEST AVAILABLE

Form Approved  
O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

OCCUPANT'S SEATING	
1. Primary Sampling Unit Number	10. Occupant's Seat Position <u>23</u>
2. Case Number - Stratum <u>94-22</u>	Front Seat
3. Vehicle Number <u>01</u>	(11) Left side
4. Occupant Number <u>05</u>	(12) Middle
(13) Right side	
(14) Other (specify): _____	
(15) On or in the lap of another occupant	
Second Seat	
(21) Left side	
(22) Middle	
(23) Right side	
(24) Other (specify): _____	
(25) On or in the lap of another occupant	
Third Seat	
(31) Left side	
(32) Middle	
(33) Right side	
(34) Other (specify): _____	
(35) On or in the lap of another occupant	
Fourth Seat	
(41) Left side	
(42) Middle	
(43) Right side	
(44) Other (specify): _____	
(45) On or in the lap of another occupant	
(97) In or on unenclosed area	
(98) Other seat (specify): _____	
(99) Unknown	
5. Occupant's Age <u>08</u>	11. Occupant's Posture <u>8</u>
Code actual age at time of accident.	(0) Normal posture
(00) Less than one year old (specify by month): _____	Abnormal posture
(97) 97 years and older	(1) Kneeling or standing on seat
(99) Unknown	(2) Lying on or across seat
6. Occupant's Sex <u>1</u>	(3) Kneeling, standing or sitting in front of seat
(1) Male	(4) Sitting sideways or turned to talk with another occupant or to look out a rear window
(2) Female	(5) Sitting on a console
(9) Unknown	(6) Lying back in a reclined seat position
7. Occupant's Height <u>127</u>	(7) Bracing with feet or hands on a surface in front of seat
Code actual height to the nearest centimeter.	(8) Other abnormal posture (specify): _____
(999) Unknown	(9) Unknown <u>Standing on floor leaning on front seat back support along the right side between the seat and the right B-pillar</u>
_____ inches X 2.54 = _____ centimeters	
8. Occupant's Weight <u>024</u>	
Code actual weight to the nearest kilogram.	
(999) Unknown	
_____ pounds X .4536 = _____ kilograms	
9. Occupant's Role <u>2</u>	
(1) Driver	
(2) Passenger	
(9) Unknown	

## EJECTION/ENTRAPMENT

12. Ejection 2

- (0) No ejection
- (1) Complete ejection
- (2) Partial ejection
- (3) Ejection, unknown degree
- (9) Unknown

13. Ejection Area 3

- (0) No ejection
- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear
- (7) Roof
- (8) Other area (e.g., back of pickup, etc.)  
(specify): \_\_\_\_\_
- (9) Unknown

14. Ejection Medium 4

- (0) No ejection
- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify):  
Right front windshield
- (5) Integral structure
- (8) Other medium (specify): \_\_\_\_\_
- (9) Unknown

15. Medium Status (Immediately Prior To Impact) 2

- (0) No ejection
- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

16. Entrapment 1

(NOTE: Entrapped means that part of the person was in the vehicle and mechanically restrained; jammed doors and immobilizing injuries by themselves are not sufficient to constitute entrapment.)

- (0) Not entrapped
- (1) Entrapped
- (9) Unknown

*Between seat back support  
and door panel on the right  
side front*

## RESTRAINT SYSTEM EVALUATION

17. Manual (Active) Belt System Availability 4

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available—type unknown

*Integral Belt Partially Destroyed*

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)

(8) Other belt (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

18. Manual (Active) Belt System Use 02

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperative (specify): \_\_\_\_\_

(02) Shoulder belt \_\_\_\_\_

(03) Lap belt \_\_\_\_\_

(04) Lap and shoulder belt \_\_\_\_\_

(05) Belt used—type unknown \_\_\_\_\_

(08) Other belt used (specify): \_\_\_\_\_

(12) Shoulder belt used with child safety seat \_\_\_\_\_

(13) Lap belt used with child safety seat \_\_\_\_\_

(14) Lap and shoulder belt used with child safety seat \_\_\_\_\_

(15) Belt used with child safety seat—type unknown \_\_\_\_\_

(18) Other belt used with child safety seat (specify): \_\_\_\_\_

(99) Unknown if belt used \_\_\_\_\_

19. Proper Use of Manual (Active) Belts 0

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

*Belt Used Improperly*

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): \_\_\_\_\_

(8) Other improper use of manual belt system (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

20. Manual (Active) Belt Failure Modes During Accident 0

- (0) No manual belt used
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify): \_\_\_\_\_

(6) Broken retractor \_\_\_\_\_

(7) Combination of above (specify): \_\_\_\_\_

(8) Other manual belt failure (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

21. Air Bag System Availability/Function 0

- (0) Not equipped/not available
- (1) Air bag

*Non-functional*

(2) Air bag disconnected (specify): \_\_\_\_\_

(3) Air bag not reinstalled \_\_\_\_\_

(9) Unknown \_\_\_\_\_

22. Air Bag System Deployment 0

- (0) Not equipped/not available
- (1) Air bag deployed during accident (as a result of impact)
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined
- (4) Nondeployed
- (5) Unknown if deployed
- (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (9) Unknown

23. Are There Indications of Air Bag System Failure? 0

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts

24. Police Reported Restraint Use 1

- (0) None used
- (1) Police did not indicate restraint use
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt used, type not specified
- (6) Child safety seat
- (7) Other or automatic restraint (specify): \_\_\_\_\_

(8) Restrained, type unknown \_\_\_\_\_

(9) Police indicated "unknown" \_\_\_\_\_

## HEAD RESTRAINT AND SEAT EVALUATION

25. Head Restraint Type/Damage by Occupant  
at This Occupant Position 0

- (0) No head restraints
- (1) Integral—no damage
- (2) Integral—damaged during accident
- (3) Adjustable—no damage
- (4) Adjustable—damaged during accident
- (5) Add-on—no damage
- (6) Add-on—damaged during accident
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown

26. Seat Type (this Occupant Position) 03

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify): \_\_\_\_\_
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

27. Seat Performance (this Occupant Position) 6

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed (specify): \_\_\_\_\_
- (4) Seat track/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify): Floor
- (7) Combination of above (specify): \_\_\_\_\_
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown



## CHILD SAFETY SEAT

28. Child Safety Seat Make/Model 000

(000) No child safety seat

Applicable codes are found in your NASS CDS  
Data Collection, Coding and Editing

(950) Built-in child safety seat

(997) Other make/model (specify):

(998) Unknown make/model

(999) Unknown if child safety seat used

29. Type of Child Safety Seat 0

(0) No child safety seat

(1) Infant seat

(2) Toddler seat

(3) Convertible seat

(4) Booster seat

(7) Other type child safety seat (specify):

(8) Unknown child safety seat type

(9) Unknown if child safety seat used

30. Child Safety Seat Orientation 02

(00) No child safety seat

*Designed for Rear Facing for This Age/Weight*

(01) Rear facing

(02) Forward facing

(08) Other orientation (specify):

(09) Unknown orientation

*Designed For Forward Facing for This Age/Weight*

(11) Rear facing

(12) Forward facing

(18) Other orientation (specify):

(19) Unknown orientation

*Unknown Design or Orientation For This  
Age/Weight, or Unknown Age/Weight*

(21) Rear facing

(22) Forward facing

(28) Other orientation (specify):

(29) Unknown orientation

(99) Unknown if child safety seat used

31. Child Safety Seat Harness Usage 0232. Child Safety Seat Shield Usage 0033. Child Safety Seat Tether Usage 02Note: Options below applicable to  
Variables OA31-OA33.

(00) No child safety seat

*Not Designed With Harness/Shield/Tether*(01) After market harness/shield/tether  
added, not used

(02) After market harness/shield/tether used

(03) Child safety seat used, but no after market  
harness/shield/tether added(09) Unknown if harness/shield/tether  
added or used*Designed With Harness/Shield/Tether*

(11) Harness/shield/tether not used

(12) Harness/shield/tether used

(19) Unknown if harness/shield/tether used

*Unknown If Designed With Harness/Shield/Tether*

(21) Harness/shield/tether not used

(22) Harness/shield/tether used

(29) Unknown if harness/shield/tether used

(99) Unknown if child safety seat used

## INJURY CONSEQUENCES

34. Injury Severity (Police Rating) 4

- (0) O - No injury
- (1) C - Possible injury
- (2) B - Nonincapacitating injury
- (3) A - Incapacitating injury
- (4) K - Killed
- (5) U - Injury, severity unknown
- (6) Died prior to accident
- (9) Unknown

35. Treatment - Mortality 1

- (0) No treatment
- (1) Fatal
- (2) Fatal - ruled disease (specify):

*Nonfatal*

- (3) Hospitalization
- (4) Transported and released
- (5) Treatment at scene - nontransported
- (6) Treatment later
- (8) Treatment - other (specify):
- (9) Unknown

36. Type Of Medical Facility (for Initial Treatment) 0

- (0) Not treated at a medical facility
- (1) Trauma center
- (2) Hospital
- (3) Medical clinic
- (4) Physician's office
- (5) Treatment later at medical facility
- (8) Other (specify):
- (9) Unknown

37. Hospital Stay 07

- (00) Not Hospitalized
- Code the number of days (up through 60) that the occupant stayed in hospital.
- (61) 61 days or more
- (99) Unknown

38. Working Days Lost 97

- Code the number of days (up through 60) that the occupant lost from work due to the accident
- (00) No working days lost
- (61) 61 days or more
- (62) Fatally injured
- (97) Not working prior to accident
- (99) Unknown

**STOP - GO TO VARIABLE 44 ON PAGE 7****VARIABLES 39 THROUGH 43 ARE COMPLETED BY THE ZONE CENTER**39. Time to Death 01

- Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, ... n days = 30 + n up through 30 days = 60)
- (00) Not fatal
- (96) Fatal - ruled disease
- (99) Unknown

40. 1st Medically Reported Cause of Death 0141. 2nd Medically Reported Cause of Death 0242. 3rd Medically Reported Cause of Death 03

- Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death
- (00) Not fatal or no additional causes
- (96) Mode of death given but specific injuries are not linked to cause of death. (specify):

- (97) Other result (includes fatal ruled disease) (specify):

- (99) Unknown

43. Number of Recorded Injuries for This Occupant 19

- Code the actual number of injuries recorded for this occupant.
- (00) No recorded injuries
- (97) Injured, details unknown
- (99) Unknown if injured

## National Accident Sampling System-Crashworthiness Data System: Occupant Assessment Form

Page 7

## AUTOMATIC BELT SYSTEM

44. Automatic (Passive) Belt System Availability/ Function 0

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts - type unknown

*Non-functional*

- (4) Automatic belts destroyed or rendered inoperative
- (9) Unknown

45. Automatic (Passive) Belt System Use 0

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify):
- (3) Automatic belt use unknown
- (9) Unknown

46. Automatic (Passive) Belt System Type 0

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system
- (9) Unknown

47. Proper Use of Automatic (Passive) Belt System 0

- (0) Not equipped/not available/not used
- (1) Automatic belt used properly
- (2) Automatic belt used properly with child safety seat

*Automatic Belt Used Improperly*

- (3) Automatic shoulder belt worn under arm
- (4) Automatic shoulder belt worn behind back
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):

- (8) Other improper use of automatic belt system (specify):
- (9) Unknown

48. Automatic (Passive) Belt Failure Modes During Accident 0

- (0) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other automatic belt failure (specify):
- (9) Unknown

49. Seat Orientation (this Occupant Position) 1

- (0) Occupant not seated or no seat
- (1) Forward facing seat
- (2) Rear facing seat
- (3) Side facing seat (inward)
- (4) Side facing seat (outward)
- (5) Other (specify):

(9) Unknown

Check the Primary Source Used In Determining Belt Use.

- [ ] Not equipped/not available/destroyed or rendered inoperative
- [X] Vehicle inspection
- [ ] Official injury data
- [ ] Driver/occupant interview
- [X] Other (specify):

[ ] Unknown if belt used

ARE ALL APPLICABLE MEDICAL RECORDS INCLUDED WITH INITIAL SUBMISSION?

NO [ ] YES [ ]

UPDATE CANDIDATE?

NO [ ] YES [ ]

**STOP - VARIABLES 50 THROUGH 53 ARE COMPLETED BY THE ZONE CENTER****TRAUMA DATA**

50. Glasgow Coma Scale (GCS) Score 01  
(at Medical Facility)  
(00) Not injured  
(01) Injured - not treated at medical facility  
(02) No GCS Score at medical facility  
(03-15) Code the actual value of the initial GCS Score recorded at medical facility.  
(97) Injured, details unknown  
(99) Unknown if injured

51. Was the Occupant Given Blood? 1  
(1) No - blood not given  
(2) Yes - blood given  
(specify units): \_\_\_\_\_  
(9) Unknown if blood given

52. Arterial Blood Gases (ABG) -  $\text{HCO}_3$  01  
(00) Not injured  
(01) Injured, ABGs not measured or reported  
(02-50) Code the actual value of the  $\text{HCO}_3$   
(96) ABGs reported,  $\text{HCO}_3$  unknown  
(97) Injured, details unknown  
(99) Unknown if injured

**BELT USE DETERMINATION**

53. Primary Source of Belt Use Determination 1  
(0) Not equipped/not available/destroyed or rendered inoperative  
(1) Vehicle inspection  
(2) Official injury data  
(3) Driver/occupant interview  
(8) Other (specify): \_\_\_\_\_  
(9) Unknown if belt used



U.S. Department of Transportation  
National Highway Traffic Safety  
Administration

BEST AVAILABLE

Form Approved  
O.M.B. No. 2127-0021

## OCCUPANT INJURY FORM

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

3. Vehicle Number

2. Case Number - Stratum

4. Occupant Number

### INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

Source of Injury Data	A.I.S. - 90						Injury Source	Injury Source Confidence Level	Direct/Indirect Injury	Occupant Area Intrusion Number
	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect				

Common (R) Skull Fr	1st	5.	1	6.	1	7.	5	8.	04	9.	06	10.	4	11.	1	12.	32	13.	1	14.	1	15.	97
Common. base Skull Fr	2nd	16.	1	17.	1	18.	5	19.	02	20.	06	21.	4	22.	8	23.	32	24.	1	25.	1	26.	97
Cerebral lnc	3rd	27.	1	28.	1	29.	4	30.	06	31.	88	32.	4	33.	1	34.	32	35.	1	36.	1	37.	97
Epidural hem	4th	38.	1	39.	1	40.	4	41.	06	42.	30	43.	4	44.	9	45.	32	46.	1	47.	1	48.	97
Subdural	5th	49.	1	50.	1	51.	4	52.	06	53.	50	54.	4	55.	9	56.	32	57.	1	58.	1	59.	97
Intracerebral hem	6th	60.	1	61.	1	62.	4	63.	06	64.	78	65.	4	66.	9	67.	32	68.	1	69.	1	70.	97
Loc Spken	7th	71.	1	72.	5	73.	4	74.	42	75.	26	76.	4	77.	2	78.	40	79.	1	80.	1	81.	97
Bi lung cont	8th	82.	1	83.	4	84.	4	85.	14	86.	10	87.	4	88.	3	89.	40	90.	1	91.	1	92.	97
① femur Fr	9th	93.	1	94.	8	95.	5	96.	18	97.	02	98.	2	99.	2	100.	40	101.	1	102.	1	103.	97
Loc (R) head	10th	104.	1	105.	1	106.	9	107.	06	108.	02	109.	1	110.	1	111.	32	112.	1	113.	1	114.	97

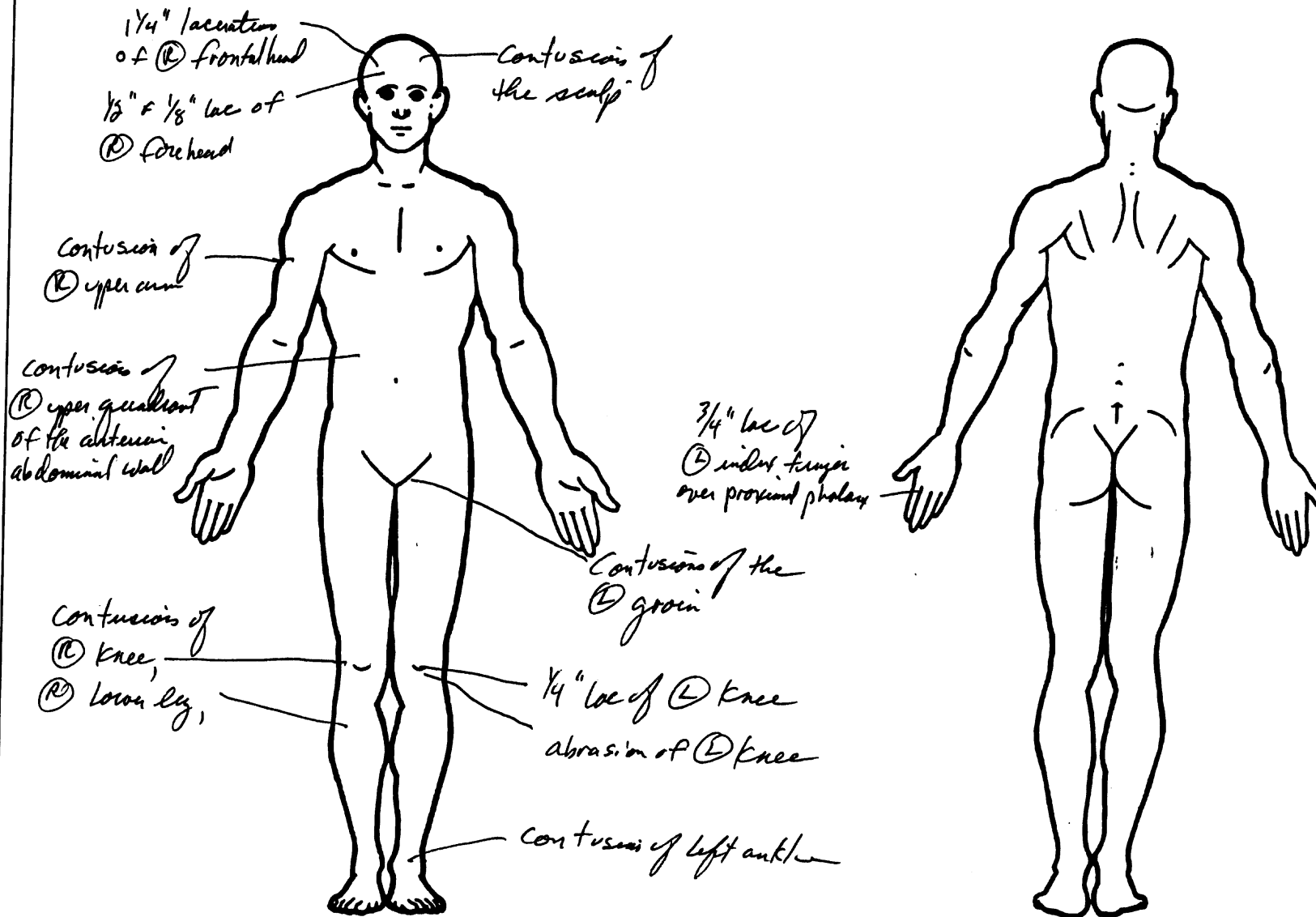


**A.I.S. - 90**

[illegible]

# OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



**SOURCE OF INJURY DATA****OFFICIAL**

- (1) Autopsy records with or without hospital/medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

**UNOFFICIAL**

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): \_\_\_\_\_
- (9) Police

**INJURY SOURCE****FRONT**

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify): \_\_\_\_\_
- (19) Other front object (specify): \_\_\_\_\_

**LEFT SIDE**

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify): \_\_\_\_\_

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify): \_\_\_\_\_

- (28) Left side window sill

**RIGHT SIDE**

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify): \_\_\_\_\_

- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify): \_\_\_\_\_

- (38) Right side window sill

**INTERIOR**

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify): \_\_\_\_\_
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify): \_\_\_\_\_
- (47) Interior loose objects
- (48) Child safety seat (specify): \_\_\_\_\_
- (49) Other interior object (specify): \_\_\_\_\_

**ROOF**

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

**FLOOR**

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

**REAR**

- (60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): \_\_\_\_\_

**EXTERIOR OF OCCUPANT'S VEHICLE**

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): \_\_\_\_\_
- (68) Unknown exterior objects

**EXTERIOR OF OTHER MOTOR VEHICLE**

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): \_\_\_\_\_

- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): \_\_\_\_\_

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): \_\_\_\_\_

- (83) Unknown exterior of other motor vehicle

**OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT**

- (84) Ground
- (85) Other vehicle or object (specify): \_\_\_\_\_
- (86) Unknown vehicle or object

**NONCONTACT INJURY**

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): \_\_\_\_\_
- (93) Air bag exhaust gases
- (97) Injured, unknown source

**INJURY SOURCE CONFIDENCE LEVEL**

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

**DIRECT/INDIRECT INJURY**

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

**OCCUPANT INJURY CLASSIFICATION****Body Region**

- (1) Head
- (2) Face
- (3) Neck
- (4) Thorax
- (5) Abdomen
- (6) Spine
- (7) Upper Extremity
- (8) Lower Extremity
- (9) Unspecified

**Type of Anatomic Structure**

- (1) Whole Area
- (2) Vessels
- (3) Nerves
- (4) Organs (includes muscles/ligaments)
- (5) Skeletal (includes joints)
- (6) Head - LOC
- (9) Skin

**Specific Anatomic Structure****Whole Area**

- (02) Skin - Abrasion
- (04) Skin - Contusion
- (06) Skin - Laceration
- (08) Skin - Avulsion
- (10) Amputation
- (20) Burn
- (30) Crush
- (40) Degloving
- (50) Injury - NFS
- (90) Trauma, other than mechanical

**Head - LOC**

- (02) Length of LOC
- (04, 06, 08) Level of Consciousness
- (10) Concussion

**Spine**

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

**Vessels, Nerves, Organs, Bones,**

Joints are assigned consecutive two digit numbers beginning with 02

**Level of Injury**

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

**Abbreviated Injury Scale**

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

**Aspect**

- (1) Right
- (2) Left
- (3) Bilateral
- (4) Central
- (5) Anterior
- (6) Posterior
- (7) Superior
- (8) Inferior
- (9) Unknown
- (0) Whole region

# OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

\_\_\_ No

\_\_\_ Yes

Blood Alcohol  
Level (mg/dl)

BAL = \_\_\_

Glasgow Coma  
Scale Score

GCSS = \_\_\_

Units of Blood  
Given

Units = \_\_\_

Arterial Blood  
Gases

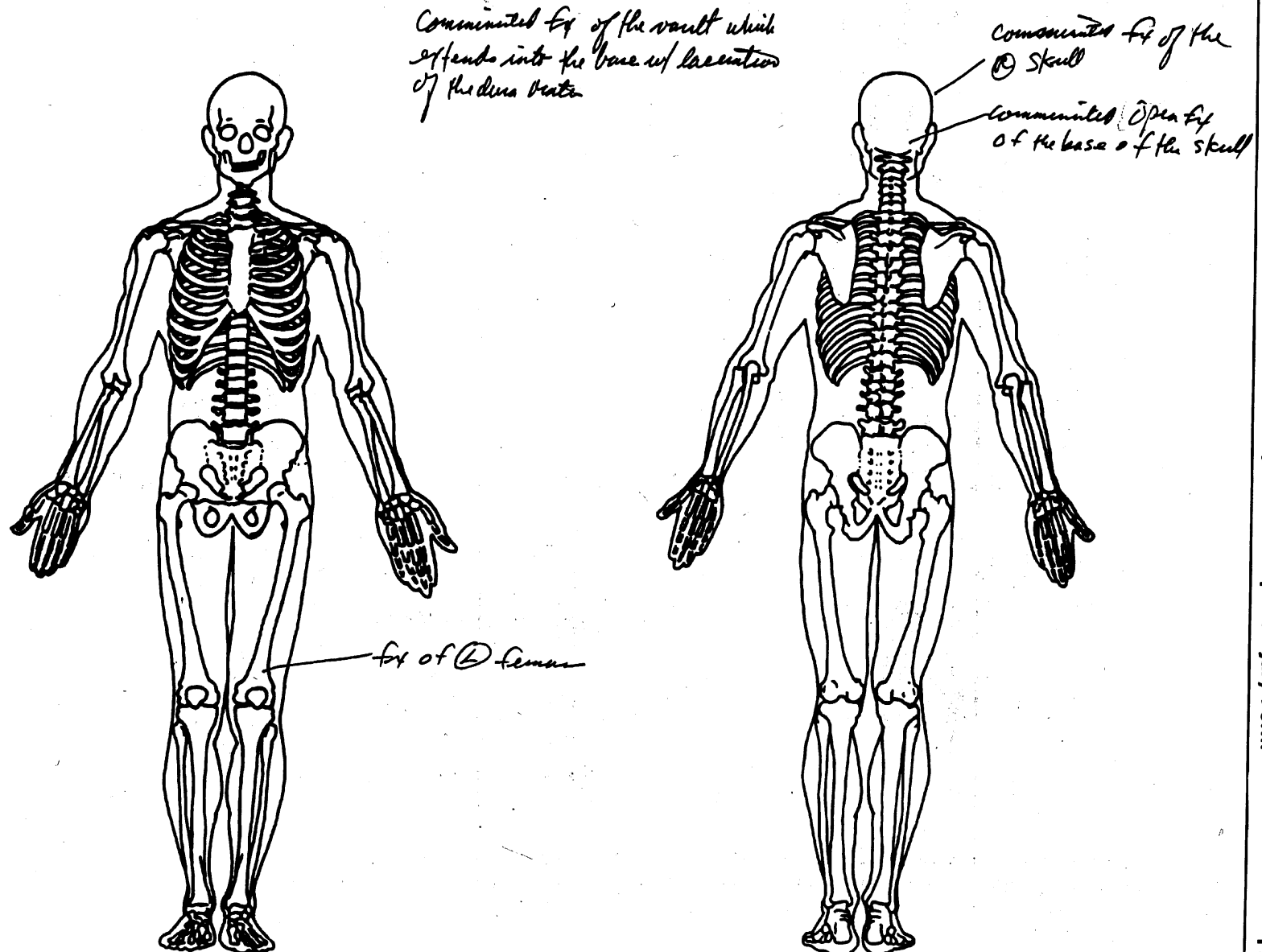
pH = \_\_\_

PO<sub>2</sub> = \_\_\_

PCO<sub>2</sub> = \_\_\_

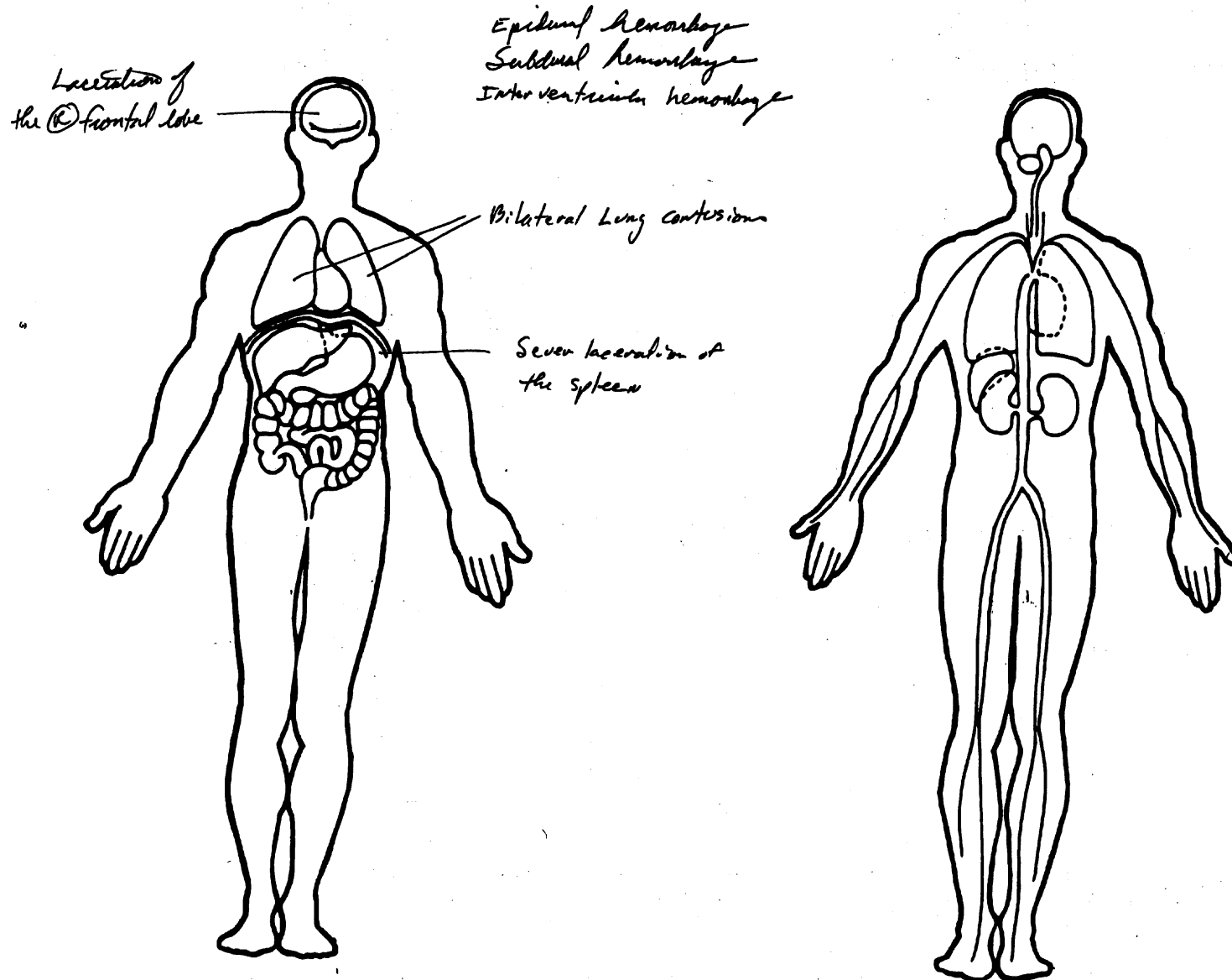
HCO<sub>3</sub> = \_\_\_

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



## OFFICIAL INJURY DATA — INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)







## GENERAL VEHICLE FORM

1. Primary Sampling Unit Number       2. Case Number - Stratum 94-223. Vehicle Number 02

## VEHICLE IDENTIFICATION

4. Vehicle Model Year 94  
Code the last two digits of the model year  
(99) Unknown5. Vehicle Make (specify): 82  
FreightlinerApplicable codes are found in your  
NASS Data Collection, Coding and  
Editing Manual.  
(99) Unknown6. Vehicle Model (specify): 881  
Tractor - Cab behindApplicable codes are found in your  
NASS Data Collection, Coding and  
Editing Manual.  
(999) Unknown7. Body Type 68Note: Applicable codes may be found on  
the back of this page.

8. Vehicle Identification Number

1 F U Y D C Y B 3 R H (Serial # omitted)  
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17Left justify; Slash zeros and letter Z (0 and Z)  
No VIN—Code all zeros  
Unknown—Code all nines

## OFFICIAL RECORDS

9. Police Reported Vehicle Disposition 1  
(0) Not towed due to vehicle damage  
(1) Towed due to vehicle damage  
(9) Unknown10. Police Reported Travel Speed 999Code to the nearest kph (NOTE: 000 means  
less than 0.5 kph)  
(160) 159.5 kph and above  
(999) Unknown       mph X 1.6093 =        kph11. Police Reported Alcohol Presence 0

- (0) No alcohol present
- 
- (1) Yes (alcohol present)
- 
- (7) Not reported
- 
- (8) No driver present
- 
- (9) Unknown

Note: See variables 37 through 55  
(Page 4) for information on Other Drugs12. Alcohol Test Result For Driver 96  
Code actual value (decimal implied  
before first digit—0.xx)  
(95) Test refused  
(96) None given  
(97) AC test performed, results unknown  
(98) No driver present  
(99) UnknownSource:                                 

## ACCIDENT RELATED

13. Speed Limit 089  
(000) No statutory limit  
Code posted or statutory speed limit  
in kph  
(999) Unknown       mph X 1.6093 =        kph14. Attempted Avoidance Maneuver 09  
(01) No avoidance actions  
(02) Braking (no lockup)  
(03) Braking (lockup)  
(04) Braking (lockup unknown)  
(05) Releasing brakes  
(06) Steering left  
(07) Steering right  
(08) Braking and steering left  
(09) Braking and steering right  
(10) Accelerating  
(11) Accelerating and steering left  
(12) Accelerating and steering right  
(97) No driver present  
(98) Other action (specify):  
wheel lock up

(99) Unknown

15. Accident Type 51  
Applicable codes may be found on the  
back of page two of this field form  
(00) No impact  
Code the number of the diagram that  
best describes the accident circumstance  
(98) Other accident type (specify):  
                                

(99) Unknown

\*\*\*\* SKIP TO VARIABLE GV37 IF GV07 DOES NOT EQUAL 01-49 \*\*\*\*

# CODES FOR BODY TYPE

## CDS APPLICABLE VEHICLES

### Automobiles

- (01) Convertible (excludes sun-roof, t-bar)
- (02) 2-door sedan, hardtop, coupe
- (03) 3-door/2-door hatchback
- (04) 4-door sedan, hardtop
- (05) 5-door/4-door hatchback
- (06) Station wagon (excluding van and truck based)
- (07) Hatchback, number of doors unknown
- (08) Other automobile type (specify): \_\_\_\_\_
- (09) Unknown automobile type

### Automobile Derivatives

- (10) Auto based pickup (includes El Camino, Caballero, Ranchero, Brat, and Rabbit pickup)
- (11) Auto based panel (cargo station wagon, auto based ambulance/hearse)
- (12) Large limousine - more than four side doors or stretched chassis
- (13) Three-wheel automobile or automobile derivative

### Utility Vehicles ( $\leq 4,500$ kgs GVWR)

- (14) Compact utility (Jeep CJ-2 - CJ-7, Scrambler, Golden Eagle, Renegade, Laredo, Wrangler, Cherokee [84 and after], Dispatcher, Raider, Bronco II, Bronco [76 and before], Explorer, S-10 Blazer, Geo Tracker, Bravada, S-15 Jimmy, Thing, Pathfinder, Trooper, Trooper II, Rodeo, Amigo, Navajo, 4-Runner, Montero, Samurai, Sidekick, Rocky)
- (15) Large utility (includes Jeep Cherokee [83 and before], Ramcharger, Trailduster, Bronco-fullsize [78 and after], fullsize Blazer, fullsize Jimmy, Landcruiser, Rover, Scout)
- (16) Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
- (19) Utility, unknown body type

### Van Based Light Trucks ( $\leq 4,500$ kgs GVWR)

- (20) Minivan (Chrysler Town and Country, Caravan, Grand Caravan, Voyager, Grand Voyager, Mini-Ram, Dodge/Plymouth Vista, Aerostar, Villager, Lumina APV, Trans Sport, Silhouette, Astro, Safari, Toyota Van, Toyota Minivan, Previa, Nissan Minivan, Quest, Mitsubishi Minivan, Vanagon/Camper.)
- (21) Large van (B150-B350, Sportsman, Royal, Maxiwagon, Ram, Tradesman, Voyager [83 and before], E150-E350, Econoline, Clubwagon, Chateau, G10-G30, Chevy Van, Beauville, Sport Van, G15-G35, Rally Van, Vandura.)
- (22) Step van or walk-in van ( $\leq 4,500$  kgs GVWR)
- (23) Van based motorhome ( $\leq 4,500$  kgs GVWR)
- (24) Van based school bus ( $\leq 4,500$  kgs GVWR)
- (25) Van based other bus ( $\leq 4,500$  kgs GVWR)
- (28) Other van type (Hi-Cube Van, Kary) (specify): \_\_\_\_\_
- (29) Unknown van type

### Light Conventional Trucks (Pickup style cab, $\leq 4,500$ kgs GVWR)

- (30) Compact pickup (D50, Colt P/U, Ram 50, Dakota, Arrow Pickup [foreign], Ranger, Courier, S-10, T-10, LUV, S-15, T-15, Sonoma, Datsun/Nissan Pickup, P'up, Mazda Pickup, Toyota Pickup, Mitsubishi Pickup)
- (31) Large Pickup (Jeep Pickup, Comanche, Ram Pickup, D100-D350, W100-W350, F100-F350, C10-C35, K10-K35, R10-R35, V10-V35, Silverado, Sierra, R100-R500,)

- (32) Pickup with slide-in camper
- (33) Convertible pickup
- (39) Unknown pickup style light conventional truck type

### Other Light Trucks ( $\leq 4,500$ kgs GVWR)

- (40) Cab chassis based (includes rescue vehicles, light stake, dump, and tow truck)
- (41) Truck based panel
- (42) Light truck based motorhome (chassis mounted)
- (45) Other light conventional truck type
- (48) Unknown light truck type
- (49) Unknown light vehicle type (automobile, utility, van, or light truck)

## OTHER VEHICLES

### Buses (Excludes Van Based)

- (50) School bus (designed to carry students, not cross country or transit)
- (58) Other bus type (e.g., transit, intercity, bus based motorhome) (specify): \_\_\_\_\_
- (59) Unknown bus type

### Medium/Heavy Trucks ( $> 4,500$ kgs GVWR)

- (60) Step van ( $> 4,500$  kgs GVWR)
- (61) Single unit straight truck ( $4,500$  kgs  $<$  GVWR  $\leq 8,850$  kgs)
- (62) Single unit straight truck ( $8,850$  kgs  $<$  GVWR  $\leq 12,000$  kgs)
- (63) Single unit straight truck ( $> 12,000$  kgs GVWR)
- (64) Single unit straight truck, GVWR unknown
- (65) Medium/heavy truck based motorhome
- (67) Truck-tractor with no cargo trailer
- (68) Truck-tractor pulling one trailer
- (69) Truck-tractor pulling two or more trailers
- (70) Truck-tractor (unknown if pulling trailer)
- (78) Unknown medium/heavy truck type
- (79) Unknown truck type (light/medium/heavy)

### Motored Cycles (Does Not Include All-Terrain Vehicles/Cycles)

- (80) Motorcycle
- (81) Moped (motorized bicycle)
- (82) Three-wheel motorcycle or moped
- (88) Other motored cycle (minibike, motorscooter) (specify): \_\_\_\_\_
- (89) Unknown motored cycle type

### Other Vehicles

- (90) ATV (All-Terrain Vehicle) and ATC (All-Terrain Cycle)
- (91) Snowmobile
- (92) Farm equipment other than trucks
- (93) Construction equipment other than trucks
- (97) Other vehicle type
- (99) Unknown body type

**OCCUPANT RELATED**

16. Driver Presence in Vehicle \_\_\_\_\_  
 (0) Driver not present  
 (1) Driver present  
 (9) Unknown
17. Number of Occupants This Vehicle \_\_\_\_\_  
 (00-96) Code actual number of occupants for this vehicle  
 (97) 97 or more  
 (99) Unknown
18. Number of Occupant Forms Submitted \_\_\_\_\_

24. Rollover \_\_\_\_\_  
 (0) No rollover (no overturning)
- Rollover (primarily about the longitudinal axis)*  
 (1) Rollover, 1 quarter turn only  
 (2) Rollover, 2 quarter turns  
 (3) Rollover, 3 quarter turns  
 (4) Rollover, 4 or more quarter turns (specify): \_\_\_\_\_
- (5) Rollover--end-over-end (i.e., primarily about the lateral axis)  
 (9) Rollover (overturn), details unknown

**VEHICLE WEIGHT ITEMS**

19. Vehicle Curb Weight \_\_\_\_\_ 0  
 \_\_\_\_\_ Code weight to nearest 10 kilograms.  
 (045) Less than 450 kilograms  
 (610) 6,100 kilograms or more  
 (999) Unknown
- \_\_\_\_\_, \_\_\_\_\_ lbs X .4536 = \_\_\_\_\_ kgs
- Source: \_\_\_\_\_

20. Vehicle Cargo Weight \_\_\_\_\_ 0  
 \_\_\_\_\_ Code weight to nearest 10 kilograms.  
 (000) Less than 5 kilograms  
 (450) 4,500 kilograms or more  
 (999) Unknown
- \_\_\_\_\_, \_\_\_\_\_ lbs X .4536 = \_\_\_\_\_ kgs

**RECONSTRUCTION DATA**

21. Towed Trailing Unit \_\_\_\_\_  
 (0) No towed unit  
 (1) Yes--towed trailing unit  
 (9) Unknown
22. Documentation of Trajectory Data for This Vehicle \_\_\_\_\_  
 (0) No  
 (1) Yes
23. Post Collision Condition of Tree or Pole (For Highest Delta V) \_\_\_\_\_  
 (0) Not collision (for highest delta V) with tree or pole  
 (1) Not damaged  
 (2) Cracked/sheared  
 (3) Tilted < 45 degrees  
 (4) Tilted ≥ 45 degrees  
 (5) Uprooted tree  
 (6) Separated pole from base  
 (7) Pole replaced  
 (8) Other (specify): \_\_\_\_\_  
 (9) Unknown

**OVERRIDE/UNDERRIDE (THIS VEHICLE)**

25. Front Override/Underride (this Vehicle) \_\_\_\_\_
26. Rear Override/Underride (this Vehicle) \_\_\_\_\_
- (0) No override/underride, or not an end-to-end impact
- Override (see specific CDC)*  
 (1) 1st CDC  
 (2) 2nd CDC  
 (3) Other not automated CDC (specify): \_\_\_\_\_
- Underride (see specific CDC)*  
 (4) 1st CDC  
 (5) 2nd CDC  
 (6) Other not automated CDC (specify): \_\_\_\_\_
- (7) Medium/heavy truck or bus override  
 (9) Unknown

**HEADING ANGLE AT IMPACT FOR HIGHEST DELTA V**

- Values: (000)-(359) Code actual value  
 (997) Noncollision  
 (998) Impact with object  
 (999) Unknown
27. Heading Angle For This Vehicle \_\_\_\_\_
28. Heading Angle For Other Vehicle \_\_\_\_\_

Category	Configuration	ACCIDENT TYPES (Includes Intent)				
I Single Driver	A Right Roadside Departure	01 DRIVE OFF ROAD	02 CONTROL/ TRACTION LOSS	03 AVOID COLLISION WITH VEH., PED., ANIM.	04 SPECIFICS OTHER	05 SPECIFICS UNKNOWN
	B Left Roadside Departure	06 DRIVE OFF ROAD	07 CONTROL/ TRACTION LOSS	08 AVOID COLLISION WITH VEH., PED., ANIM.	09 SPECIFICS OTHER	10 SPECIFICS UNKNOWN
	C Forward Impact	11 PARKED VEH.	12 STA. OBJECT	13 PEDESTRIAN/ ANIMAL	14 END DEPARTURE	15 SPECIFICS OTHER 16 SPECIFICS UNKNOWN
II Same Trafficway Same Direction	D Rear-End	20 STOPPED 21, 22, 23	22 21 23 SLOWER 26, 28, 27	24 25 26 27 28 29 30 31 DECEL. 28, 30, 31	(EACH • 32) SPECIFICS OTHER	(EACH • 33) SPECIFICS UNKNOWN
	E Forward Impact	34 CONTROL/ TRACTION LOSS	35 CONTROL/ TRACTION LOSS	36 AVOID COLLISION WITH VEH.	37 AVOID COLLISION WITH OBJECT	(EACH • 42) SPECIFICS OTHER (EACH • 43) SPECIFICS UNKNOWN
	F Sideswipe Angle	44 45	46 47	(EACH • 48) SPECIFICS OTHER	(EACH • 49) SPECIFICS UNKNOWN	
III Same Trafficway Opposite Direction	G Head-On	50 51 LATERAL MOVE	(EACH • 52) SPECIFICS OTHER	(EACH • 53) SPECIFICS UNKNOWN		
	H Forward Impact	54 CONTROL/ TRACTION LOSS	55 CONTROL/ TRACTION LOSS	56 AVOID COLLISION WITH VEH.	57 AVOID COLLISION WITH OBJECT	(EACH • 62) SPECIFICS OTHER (EACH • 63) SPECIFICS UNKNOWN
	I Sideswipe Angle	64 LATERAL MOVE	(EACH • 65) SPECIFICS OTHER	(EACH • 67) SPECIFICS UNKNOWN		
IV Change Trafficway Vehicle Turning	J Turn Across Path	68 69 INITIAL OPPOSITE DIRECTIONS	70 71 INITIAL SAME DIRECTIONS	72 73	(EACH • 74) SPECIFICS OTHER	(EACH • 75) SPECIFICS UNKNOWN
	K Turn Into Path	76 77 TURN INTO SAME DIRECTION	78 79 TURN INTO OPPOSITE DIRECTIONS	80 81 82	(EACH • 84) SPECIFICS OTHER	(EACH • 85) SPECIFICS UNKNOWN
V Intersecting Paths (Vehicle Damage)	L Straight Paths	86 87	88 89	(EACH • 90) SPECIFICS OTHER	(EACH • 91) SPECIFICS UNKNOWN	
VI Miscellaneous	M Backing Etc.	92 BACKING VEH.	93 OTHER VEH. OR OBJECT	96 Other Accident Type 99 Unknown Accident Type 00 No Impact		

29. Basis for Total Delta V (highest) \_\_\_\_\_

*Delta V Calculated*

- (1) CRASH program—damage only routine
- (2) CRASH program—damage and trajectory routine
- (3) Missing vehicle algorithm

*Delta V Not Calculated*

- (4) At least one vehicle (which may be this vehicle) is beyond the scope of an acceptable reconstruction program, regardless of collision conditions.
- (5) All vehicles within scope (CDC applicable) of CRASH program but one of the collision conditions is beyond the scope of the CRASH program or other acceptable reconstruction technique, regardless of adequacy of damage data.
- (6) All vehicle and collision conditions are within scope of one of the acceptable reconstruction programs, but there is insufficient data available.

**COMPUTER GENERATED DELTA V**

30. Total Delta V \_\_\_\_\_

Highest

\_\_\_\_\_ Nearest kph (highest)

\_\_\_\_\_ Nearest kph (secondary)

(NOTE: 000 means less than  
0.5 kph)  
(160) 159.5 kph and above  
(999) Unknown

31. Longitudinal Component of  
Delta V \_\_\_\_\_

+

-

\_\_\_\_\_ Nearest kph (highest)

\_\_\_\_\_ Nearest kph (secondary)

(NOTE: \_\_000 means greater than  
-0.5 kph and less than +0.5 kph)  
(±160) ±159.5 kph and above  
(\_\_999) Unknown

32. Lateral Component of Delta V \_\_\_\_\_

+

-

Highest

\_\_\_\_\_ Nearest kph (highest)

\_\_\_\_\_ Nearest kph (secondary)

(NOTE: \_\_000 means greater than  
-0.5 kph and less than +0.5 kph)  
(±160) ±159.5 kph and above  
(\_\_999) Unknown

33. Energy Absorption \_\_\_\_\_

00

\_\_\_\_\_ Nearest 100 joules (highest)

\_\_\_\_\_ Nearest 100 joules (secondary)

(NOTE: 0000 means less than 50 joules)  
(9997) 999,650 joules or more  
(9999) Unknown

34. Confidence In Reconstruction Program  
Results (For Highest Delta V) \_\_\_\_\_

- (0) No reconstruction
- (1) Collision fits model — results appear reasonable
- (2) Collision fits model — results appear high
- (3) Collision fits model — results appear low
- (4) Borderline reconstruction — results appear reasonable

35. Type of Vehicle Inspection \_\_\_\_\_

- (0) No inspection
- (1) Complete inspection
- (2) Partial inspection (specify): \_\_\_\_\_

36. Is this an AOPS Vehicle? \_\_\_\_\_

- (0) No
- (1) Yes - researcher determined
- (2) VIN determined air bag system
- (3) VIN determined automatic (passive) belts
- (4) VIN determined air bag and automatic (passive) belts

**IS OLDMISS APPLICABLE FOR THIS VEHICLE? [ ] YES [ ] NO****IF YES: IS A COMPLETED OLDMISS PROGRAM SUMMARY INCLUDED? [ ] YES [ ] NO**



37. Police Reported Other Drug Presence 0

- (0) No other drug(s) present
- (1) Yes [other drug(s) present]
- (7) Not reported
- (8) No driver present
- (9) Unknown

38. Police Reported Drug Evaluation Classification (DEC) Test For Driver 0

- (0) No DEC process available or given
- (1) DEC process given, results known
- (2) DEC process given, results unknown
- (3) DEC process available, unknown if given
- (8) No driver present

39. Other Drug Specimen Test Type For Driver 0

- (0) No specimen test given
- (1) Blood test
- (2) Urine test
- (3) Other specimen tests (specify): \_\_\_\_\_
- (7) Unspecified specimen test
- (8) No driver present
- (9) Unknown if specimen test given

## DRUG EVALUATION CLASSIFICATION

### OTHER DRUGS TEST RESULTS FOR DRIVER

	DEC Test Results	Specimen Test Results
Narcotic Drug	40. <u>0</u>	41. <u>0</u>
Depressant Drug	42. <u>/</u>	43. <u>/</u>
Stimulant Drug	44. <u>/</u>	45. <u>/</u>
Hallucinogen Drug	46. <u>/</u>	47. <u>/</u>
Cannabinoid Drug	48. <u>/</u>	49. <u>/</u>
Phencyclidine (PCP)	50. <u>/</u>	51. <u>/</u>
Inhalant Drug	52. <u>/</u>	53. <u>/</u>
Other Drug (Excluding Nicotine, Aspirin, Alcohol, Drugs Administered Post-Crash)	54. <u>/</u>	55. <u>/</u>

## Codes For DEC Test Results

- (0) No DEC test given
- (1) Passed DEC test
- (2) Failed DEC test
- (3) DEC test given—results unknown
- (8) No driver present
- (9) Unknown if DEC test given

## Codes for Specimen Test Results

- (0) No specimen test given
- (1) Drug not found in specimen
- (2) Drug found in specimen
- (7) Specimen test given, results unknown or not obtained
- (8) No driver present
- (9) Unknown if specimen test given

## OTHER DATA

## 56. Driver's Zip Code

- (00000) Driver not present  
 (00001) Driver not a resident of U.S. or territories  
                     Code actual 5-digit zip code  
 (99999) Unknown

## 57. Driver's Race/Ethnic Origin

- (0) Driver not present  
 (1) White (non-Hispanic)  
 (2) Black (non-Hispanic)  
 (3) White (Hispanic)  
 (4) Black (Hispanic)  
 (5) American Indian, Eskimo or Aleut  
 (6) Asian or Pacific Islander  
 (8) Other (specify):  
 (9) Unknown

## 58. Vehicle Special Use (This Trip)

- (0) No special use  
 (1) Taxi  
 (2) Vehicle used as school bus  
 (3) Vehicle used as other bus  
 (4) Military  
 (5) Police  
 (6) Ambulance  
 (7) Fire truck or car  
 (8) Other (specify):  
 (9) Unknown

## ROLLOVER DATA

If GV07 (Body Type)  $\neq$  1-49, leave GV59-GV63 blank.  
 If GV24 (Rollover) = 0, then GV59-GV63 must equal 0.  
 If GV24 = 9, then GV59-GV63 must equal 9.

## 59. Rollover Initiation Type

- (0) No rollover  
 (1) Trip-over  
 (2) Flip-over  
 (3) Turn-over  
 (4) Climb-over  
 (5) Fall-over  
 (6) Bounce-over  
 (7) Collision with another vehicle  
 (8) Other rollover initiation type specify):  
 (9) Unknown rollover initiation type

## 60. Location of Rollover Initiation

- (0) No rollover  
 (1) On roadway  
 (2) On shoulder—paved  
 (3) On shoulder—unpaved  
 (4) On roadside or divided trafficway median  
 (9) Unknown

## 61. Rollover Initiation Object Contacted

## 62. Location on Vehicle Where Initial Principal Tripping Force Is Applied

- (0) No rollover  
 (1) Wheels/tires  
 (2) Side plane  
 (3) End plane  
 (4) Undercarriage  
 (5) Other location on vehicle (specify):  
 (8) Non-contact rollover forces (specify):  
 (9) Unknown

## 63. Direction of Initial Roll

- (0) No rollover  
 (1) Roll right - primarily about the longitudinal axis  
 (2) Roll left - primarily about the longitudinal axis  
 (5) End-over-end (i.e., primarily about the lateral axis)  
 (9) Unknown roll direction

## PRECRASH DATA

## 64. Pre-Event Movement (Prior to Recognition of Critical Event)

- (01) Going straight  
 (02) Slowing or stopping in traffic lane  
 (03) Starting in traffic lane  
 (04) Stopped in traffic lane  
 (05) Passing or overtaking another vehicle  
 (06) Disabled or parked in travel lane  
 (07) Leaving a parking position  
 (08) Entering a parking position  
 (09) Turning right  
 (10) Turning left  
 (11) Making a U-turn  
 (12) Backing up (other than for parking position)  
 (13) Negotiating a curve  
 (14) Changing lanes  
 (15) Merging  
 (16) Successful avoidance maneuver to a previous critical event  
 (97) Other (specify):  
 (98) No driver present  
 (99) Unknown

## PRECRASH DATA (Continued)

65. Critical Precrash Event 53*This Vehicle Loss of Control Due To:*

- (01) Blow out or flat tire
- (02) Stalled engine
- (03) Disabling vehicle failure (e.g., wheel fell off) (specify): \_\_\_\_\_
- (04) Non-disabling vehicle problem (e.g., hood flew up) (specify): \_\_\_\_\_
- (05) Poor road conditions (puddle, pot hole, ice, etc.) (specify): \_\_\_\_\_
- (06) Traveling too fast for conditions
- (08) Other cause of control loss (specify): \_\_\_\_\_
- (09) Unknown cause of control loss

*This Vehicle Traveling*

- (10) Over the lane line on left side of travel lane
- (11) Over the lane line on right side of travel lane
- (12) Off the edge of the road on the left side
- (13) Off the edge of the road on the right side
- (14) End departure
- (15) Turning left at intersection
- (16) Turning right at intersection
- (17) Crossing over (passing through) intersection
- (19) Unknown travel direction

*Other Motor Vehicle In Lane*

- (50) Stopped
- (51) Traveling in same direction with lower speed (i.e., lower steady speed or decelerating)
- (52) Traveling in same direction with higher speed
- (53) Traveling in opposite direction
- (54) In crossover
- (55) Backing
- (59) Unknown travel direction of other motor vehicle in lane

*Other Motor Vehicle Encroaching Into Lane*

- (60) From adjacent lane (same direction)—over left lane line
- (61) From adjacent lane (same direction)—over right lane line
- (62) From opposite direction—over left lane line
- (63) From opposite direction—over right lane line
- (64) From parking lane
- (65) From crossing street, turning into same direction
- (66) From crossing street, across path
- (67) From crossing street, turning into opposite direction
- (68) From crossing street, intended path not known
- (70) From driveway, turning into same direction
- (71) From driveway, across path
- (72) From driveway, turning into opposite direction
- (73) From driveway, intended path not known
- (74) From entrance to limited access highway
- (78) Encroachment by other vehicle—details unknown

*Pedestrian or Pedalcyclist, or Other Nonmotorist*

- (80) Pedestrian in roadway
- (81) Pedestrian approaching roadway
- (82) Pedestrian—unknown location
- (83) Pedalcyclist or other nonmotorist in roadway (specify): \_\_\_\_\_
- (84) Pedalcyclist or other nonmotorist approaching roadway (specify): \_\_\_\_\_
- (85) Pedalcyclist or other nonmotorist—unknown location (specify): \_\_\_\_\_

*Object or Animal*

- (87) Animal in roadway
- (88) Animal approaching roadway
- (89) Animal—unknown location
- (90) Object in roadway
- (91) Object approaching roadway
- (92) Object—unknown location

(98) Other critical precrash event (specify): \_\_\_\_\_

(99) Unknown

For Corrective Actions Attempted see variable GV14 (Attempted Avoidance Maneuver)

66. Precrash Stability After Avoidance Maneuver 2

- (0) No avoidance maneuver
- (1) Tracking
- (2) Skidding longitudinally—rotation less than 30 degrees
- (3) Skidding laterally—clockwise rotation
- (4) Skidding laterally—counterclockwise rotation
- (7) Other vehicle loss-of-control (specify): \_\_\_\_\_

- (8) No driver present
- (9) Precrash stability unknown

67. Precrash Directional Consequences of Avoidance Maneuver (Corrective Action) 1

- (0) No avoidance maneuver
- (1) Vehicle stayed in travel lane where avoidance maneuver was initiated
- (2) Vehicle stayed on roadway but left travel lane where avoidance maneuver was initiated
- (3) Vehicle stayed on roadway, not known if left travel lane where avoidance maneuver was initiated
- (4) Vehicle departed roadway
- (5) Avoidance maneuver initiated off roadway
- (8) No driver present
- (9) Directional consequences unknown

\*\*\* IF THE CDS APPLICABLE VEHICLE WAS NOT INSPECTED (I.E., GV35 = 0), \*\*\*  
DO NOT COMPLETE THE EXTERIOR AND INTERIOR VEHICLE FORMS.

\*\*\* IF GV07 DOES NOT EQUAL 01-49, DO NOT COMPLETE \*\*\*  
THE EXTERIOR VEHICLE, INTERIOR VEHICLE,  
OCCUPANT ASSESSMENT, AND OCCUPANT INJURY FORMS.

U.S. Department of Transportation





**COLLISION DEFORMATION CLASSIFICATION**

## HIGHEST DELTA "V"

Accident Event Sequence Number	Object Contacted	(1) (2) Direction of Force	(3) Deformation Location	(4) Longitudinal or Lateral Location	(5) Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation Extent
4. <u>01</u>	5. <u>01</u>	6. <u>12</u>	7. <u>F</u>	8. <u>D</u>	9. <u>E</u>	10. <u>W</u>	11. <u>01</u>

## Second Highest Delta "V"

12. _____	13. _____	14. _____	15. _____	16. _____	17. _____	18. _____	19. _____
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

**CRUSH PROFILE IN CENTIMETERS**

The crush profile for the damage described in the CDC(s) above should be documented in the appropriate space below. (ALL MEASUREMENTS ARE IN CENTIMETERS.)

## HIGHEST DELTA "V"

20. <u>L</u>	21. <u>C<sub>1</sub></u>	<u>C<sub>2</sub></u>	<u>C<sub>3</sub></u>	<u>C<sub>4</sub></u>	<u>C<sub>5</sub></u>	<u>C<sub>6</sub></u>	22. <u>± D</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

## Second Highest Delta "V"

23. <u>L</u>	24. <u>C<sub>1</sub></u>	<u>C<sub>2</sub></u>	<u>C<sub>3</sub></u>	<u>C<sub>4</sub></u>	<u>C<sub>5</sub></u>	<u>C<sub>6</sub></u>	25. <u>± D</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

26. Are CDCs Documented but Not Coded on The Automated File?

- (0) No  
(1) Yes

0

27. Researcher's Assessment of Vehicle Disposition

- (0) Not towed due to vehicle damage  
(1) Towed due to vehicle damage  
(9) Unknown

1

28. Original Wheelbase

\_\_\_\_\_ Code to the nearest centimeter  
(999) Unknown

999

\_\_\_\_\_ inches X 2.54 = \_\_\_\_\_ centimeters

29. Is This A Multi-Stage Manufactured Vehicle And/Or A Certified Altered Vehicle? (0) No post manufacturer modifications (1) Yes - post manufacturer modifications (specify): _____ _____ (Include photograph of CERTIFICATION PLACARD in case report) (9) Unknown if vehicle is modified	<u>0</u>	34. Fuel Tank-1 Location	<u>5</u>
30. Fire Occurrence (0) No fire  Yes, fire occurred (1) Minor (2) Major (9) Unknown	<u>0</u>	35. Fuel Tank-2 Location (0) No fuel tank (1) Aft of center of the rear wheels (rear axle) centered (2) Aft of center of the rear wheels (rear axle) left side (3) Aft of center of the rear wheels (rear axle) right side (4) Forward of center of the rear wheels (rear axle) centered (5) Forward of center of the rear wheels (rear axle) left side (6) Forward of center of the rear wheels (rear axle) right side (7) Over center of the rear wheels (rear axle) (8) Other (specify): _____ (9) Unknown	<u>6</u>
31. Origin of Fire (0) No fire (1) Vehicle exterior (front, side, back, top) (2) Exhaust system (3) Fuel tank (and other fuel retention system parts) (4) Engine compartment (5) Cargo/trunk compartment (6) Instrument panel (7) Passenger compartment area (8) Other location (specify): _____ (9) Unknown	<u>0</u>	36. Fuel Tank-1 Filler Cap Location	<u>5</u>
32. Type of Fuel Tank-1	<u>1</u>	37. Fuel Tank-2 Filler Cap Location (0) No fuel tank (1) On back plane (2) Aft of center of the rear wheels (rear axle) on left side plane (3) Aft of center of the rear wheels (rear axle) on right side plane (4) Forward of center of the rear wheels (rear axle) on left side plane (5) Forward of center of the rear wheels (rear axle) on right side plane (6) Over the center of the rear wheels (rear axle) on left side plane (7) Over the center of the rear wheels (rear axle) on right side plane (8) Other (specify): _____ (9) Unknown	<u>6</u>
33. Type of Fuel Tank-2 (0) No fuel tank (electrical vehicle) (1) Metallic (2) Non-metallic (9) Unknown	<u>1</u>	38. Fuel Tank-1 Damage	<u>1</u>
		39. Fuel Tank-2 Damage (0) No fuel tank (1) No damage to fuel tank (2) Deformed, no seam failure (3) Deformed, with a seam failure (4) Punctured (5) Lacerated (ripped) (6) Abraded (scraped) (7) Filler neck separation from the fuel tank (8) Other damage (specify): _____ (9) Unknown	<u>1</u>

40. Location of Fuel System-1 Leakage 141. Location of Fuel System-2 Leakage 1

(0) No fuel tank

(1) No fuel leakage

*Primary Area Of Leakage*

(2) Tank

(3) Filler neck

(4) Cap

(5) Lines/pump/filter

(6) Vent/emission recovery

(8) Other (specify): \_\_\_\_\_

(9) Unknown

42. Fuel Type-1 0243. Fuel Type-2 02*Single Fuel Type*

(00) No fuel tank

(01) Gasoline

(02) Diesel

(03) CNG (Compressed Natural Gas)

(04) LPG (Liquid Petroleum Gas) also known as Propane

(05) LNG (Liquid Natural Gas)

(06) Methanol (M100 or M85)

(07) Ethanol (E100 or E85)

(08) Other (Hydrogen or others) (specify): \_\_\_\_\_

*Electric Powered or Electric/Solar Powered Vehicles*

(10) Lead Acid Battery

(11) Nickel-Iron Battery

(12) Nickel-Cadmium Battery

(13) Sodium Metal Chloride Battery

(14) Sodium Sulfur Battery

(18) Other (Specify): \_\_\_\_\_

(98) Other Hybrid (specify): \_\_\_\_\_

(99) Unknown fuel type

44. Is This Vehicle Equipped With More Than Two Fuel Tanks? 0

(0) No (one or two tanks only)

*Yes - More Than Two Tanks*(1) Yes -- no damage to any tank or filler cap and no fuel system leakage(2) Yes -- no damage to any tank or filler cap but there is fuel system leakage (specify leakage location): \_\_\_\_\_(3) Yes -- damage to an additional tank or filler cap and there is fuel system leakage (specify the following):

Type of tank \_\_\_\_\_

Tank location \_\_\_\_\_

Filler cap location \_\_\_\_\_

Tank damage \_\_\_\_\_

Location of leakage \_\_\_\_\_

Type of fuel \_\_\_\_\_

(9) Unknown if more than two tanks

**COMMENTS**

\*\*\* STOP: IF THE CDS APPLICABLE VEHICLE WAS NOT TOWED AND WAS NOT AN AOPS \*\*\*  
(I.E., GV09 = 0 OR 9 AND GV36 = 0), DO NOT COMPLETE THE INTERIOR VEHICLE FORM.



U.S. Department of Transportation

National Highway Traffic Safety  
Administration

## INTERIOR VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number     

2. Case Number - Stratum 94-22

3. Vehicle Number 02

### INTEGRITY

4. Passenger Compartment Integrity

(00) No integrity loss 02

Yes, Integrity Was Lost Through

(01) Windshield

(02) Door (side)

(03) Door/hatch (back door)

(04) Roof

(05) Roof glass

(06) Side window

(07) Rear window (backlight)

(08) Roof and roof glass

(09) Windshield and door (side)

(10) Windshield and roof

(11) Side and rear window (side window and backlight)

(12) Windshield and side window

(13) Door and side window

(98) Other combination of above (specify):     

(99) Unknown     

Door, Tailgate or Hatch Opening

5. LF 1 6. RF 1 7. LR 0 8. RR 0 9. TG/HO 0

(0) No door/gate/hatch

(1) Door/gate/hatch remained closed and operational

(2) Door/gate/hatch came open during collision

(3) Door/gate/hatch jammed shut

(8) Other (specify):     

(9) Unknown     

Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09  $\neq$  2, Then code 0

10. LF 0 11. RF 0 12. LR 0 13. RR 0 14. TG/H 0

(0) No door/gate/hatch or door not opened

Door, Tailgate or Hatch Came Open During Collision

(1) Door operational (no damage)

(2) Latch/striker failure due to damage

(3) Hinge failure due to damage

(4) Door structure failure due to damage

(5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage

(6) Latch/striker and hinge failure due to damage

(8) Other failure (specify):     

(9) Unknown     

### GLAZING

Glazing Damage from Impact Forces

15. WS 0 16. LF 0 17. RF 0 18. LR 8 19. RR 8

20. BL 8 21. Roof 8 22. Other 8

(0) No glazing damage from impact forces

(2) Glazing in place and cracked from impact forces

(3) Glazing in place and holed from impact forces

(4) Glazing out-of-place (cracked or not) and not holed from impact forces

(5) Glazing out-of-place and holed from impact forces

(6) Glazing disintegrated from impact forces

(7) Glazing removed prior to accident

(8) No glazing

(9) Unknown if damaged

Glazing Damage from Occupant Contact

23. WS 0 24. LF 0 25. RF 0 26. LR 0 27. RR 0

28. BL 0 29. Roof 0 30. Other 0

(0) No occupant contact to glazing or no glazing

(1) Glazing contacted by occupant but no glazing damage

(2) Glazing in place and cracked by occupant contact

(3) Glazing in place and holed by occupant contact

(4) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact

(5) Glazing out-of-place by occupant contact and holed by occupant contact

(6) Glazing disintegrated by occupant contact

(9) Unknown if contacted by occupant

If No Glazing Damage **And** No Occupant Contact or No Glazing, Then Code IV31 Through IV46 As 0

Type of Window/Windshield Glazing

31. WS 0 32. LF 0 33. RF 0 34. LR 0 35. RR 0

36. BL 0 37. Roof 0 38. Other 0

(0) No glazing contact and no damage, or no glazing

(1) AS-1 - Laminated

(2) AS-2 - Tempered

(3) AS-3 - Tempered-tinted

(4) AS-14 - Glass/Plastic

(8) Other (specify):     

(9) Unknown     

Window Precrash Glazing Status

39. WS 0 40. LF 0 41. RF 0 42. LR 0 43. RR 0

44. BL 0 45. Roof 0 46. Other 0

(0) No glazing contact and no damage, or no glazing

(1) Fixed

(2) Closed

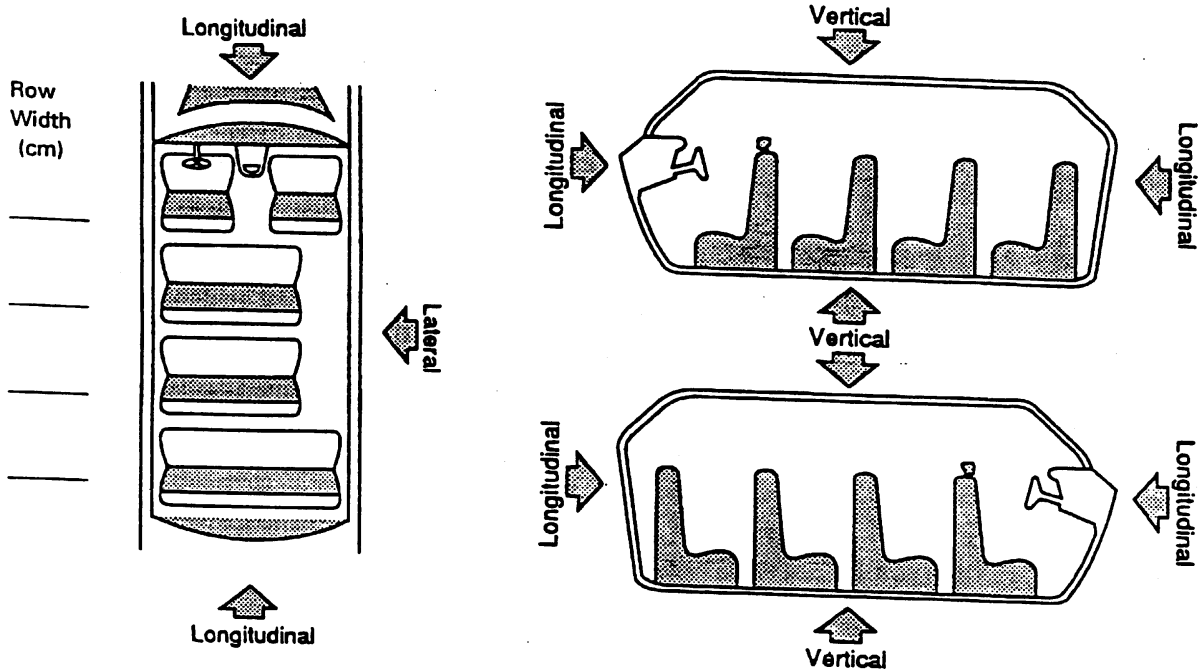
(3) Partially opened

(4) Fully opened

(9) Unknown

# INTRUSION WORKSHEET

Note: Sketch intruded areas



LOCATION OF INTRUSION	INTRUDED COMPONENT	(All Measurements Are In Centimeters)			INTRUSION	DOMINANT CRUSH DIRECTION
		COMPARISON VALUE	INTRUDED VALUE	=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		
		-		=		

Document no more than the 15 most severe intrusions



## OCCUPANT AREA INTRUSION

Note: If no intrusions, leave variables IV47-IV86 blank.

	Location of Intrusion	Intruding Component	Magnitude of Intrusion	Dominant Crush Direction
1st	47. <u>No intrusion</u>	48. <u>No intrusion</u>	49. <u>No intrusion</u>	50. <u>No intrusion</u>
2nd	51. _____	52. _____	53. _____	54. _____
3rd	55. _____	56. _____	57. _____	58. _____
4th	59. _____	60. _____	61. _____	62. _____
5th	63. _____	64. _____	65. _____	66. _____
6th	67. _____	68. _____	69. _____	70. _____
7th	71. _____	72. _____	73. _____	74. _____
8th	75. _____	76. _____	77. _____	78. _____
9th	79. _____	80. _____	81. _____	82. _____
10th	83. _____	84. _____	85. _____	86. _____

## INTRUDING COMPONENT

## Interior Components

- (01) Steering assembly
- (02) Instrument panel left
- (03) Instrument panel center
- (04) Instrument panel right
- (05) Toe pan
- (06) A (A1/A2)-pillar
- (07) B-pillar
- (08) C-pillar
- (09) D-pillar
- (10) Door panel (side)
- (12) Roof (or convertible top)
- (13) Roof side rail
- (14) Windshield
- (15) Windshield header
- (16) Window frame
- (17) Floor pan (includes sill)
- (18) Backlight header
- (19) Front seat back
- (20) Second seat back
- (21) Third seat back
- (22) Fourth seat back
- (23) Fifth seat back
- (24) Seat cushion
- (25) Back door/panel (e.g., tailgate)
- (26) Other interior component (specify): \_\_\_\_\_

- (27) Side panel - forward of the A (A2)-pillar
- (28) Side panel - rear of the A (A2)-pillar

## Exterior Components

- (30) Hood
- (31) Outside surface of this vehicle (specify): \_\_\_\_\_
- (32) Other exterior object in the environment (specify): \_\_\_\_\_
- (33) Unknown exterior object
- (97) Catastrophic
- (98) Intrusion of unlisted component(s) (specify): \_\_\_\_\_
- (99) Unknown

## LOCATION OF INTRUSION

Front Seat  
 (11) Left  
 (12) Middle  
 (13) Right

Fourth Seat  
 (41) Left  
 (42) Middle  
 (43) Right

Second Seat  
 (21) Left  
 (22) Middle  
 (23) Right

(97) Catastrophic  
 (98) Other enclosed area (specify) \_\_\_\_\_

(99) Unknown

Third Seat  
 (31) Left  
 (32) Middle  
 (33) Right

## MAGNITUDE OF INTRUSION

- (1)  $\geq 3$  centimeters but  $< 8$  centimeters
- (2)  $\geq 8$  centimeters but  $< 15$  centimeters
- (3)  $\geq 15$  centimeters but  $< 30$  centimeters
- (4)  $\geq 30$  centimeters but  $< 46$  centimeters
- (5)  $\geq 46$  centimeters but  $< 61$  centimeters
- (6)  $\geq 61$  centimeters
- (7) Catastrophic
- (9) Unknown

## DOMINANT CRUSH DIRECTION

- (1) Vertical
- (2) Longitudinal
- (3) Lateral
- (7) Catastrophic
- (9) Unknown

## STEERING RIM/SPOKE DEFORMATION

(All Measurements Are in Centimeters)

COMPARISON VALUE	—	DAMAGE VALUE	=	DEFORMATION
------------------	---	--------------	---	-------------

	—		=	
--	---	--	---	--

	—		=	
--	---	--	---	--

	—		=	
--	---	--	---	--

	—		=	
--	---	--	---	--

**STEERING COLUMN**87. Steering Column Type 1

- (1) Fixed column  
 (2) Tilt column  
 (3) Telescoping column  
 (4) Tilt and telescoping column  
 (8) Other column type (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

88. Blank X X

(This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.

89. Blank X X X

(This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.

90. Blank X X X

(This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.

91. Blank X X X

(This variable is left blank so that numbering consistency can be maintained with the 1988-94 CDS.

92. Steering Rim/Spoke Deformation 02

- Code actual measured deformation to the nearest centimeter  
 (00) No steering rim deformation  
 (01-14) Actual measured value in centimeters  
 (15) 15 centimeters or more  
 (98) Observed deformation cannot be measured  
 (99) Unknown

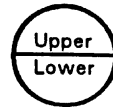
93. Location of Steering Rim/Spoke Deformation 02  
 (00) No steering rim deformation

*Quarter Sections*

- (01) Section A  
 (02) Section B  
 (03) Section C  
 (04) Section D

*Half Sections*

- (05) Upper half of rim/spoke  
 (06) Lower half of rim/spoke  
 (07) Left half of rim/spoke  
 (08) Right half of rim/spoke



- (09) Complete steering wheel collapse  
 (10) Undetermined location  
 (99) Unknown

**INSTRUMENT PANEL**94. Odometer Reading 123,000

\_\_\_\_\_ kilometers—Code to the nearest 1,000 kilometers

- (000) No odometer  
 (001) Less than 1,500 kilometers  
 (500) 499,500 kilometers or more  
 (999) Unknown

\_\_\_\_\_ miles X 1.6093 = \_\_\_\_\_ kilometers

Source: \_\_\_\_\_

95. Instrument Panel Damage from Occupant Contact? 0

- (0) No  
 (1) Yes  
 (9) Unknown

96. Knee Bolsters Deformed from Occupant Contact? 8

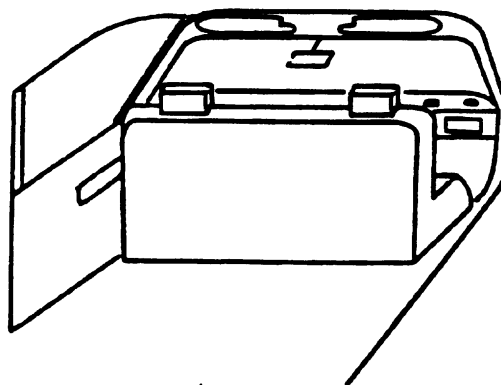
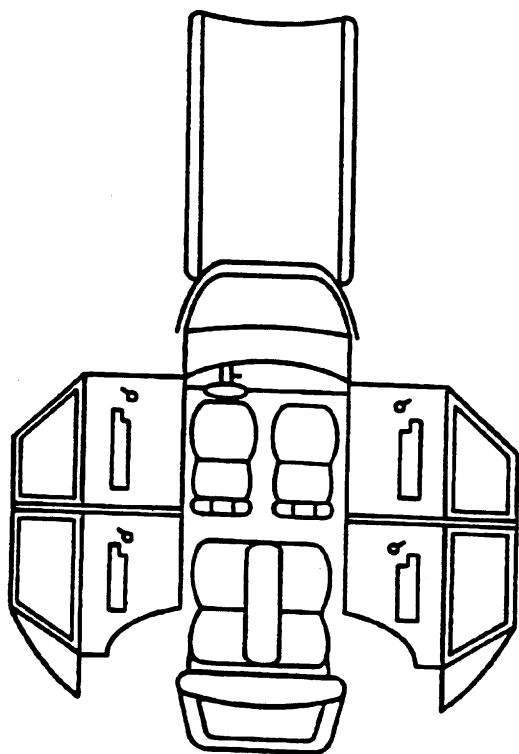
- (0) No  
 (1) Yes  
 (8) Not present  
 (9) Unknown

97. Did Glove Compartment Door Open During Collision(s)? 8

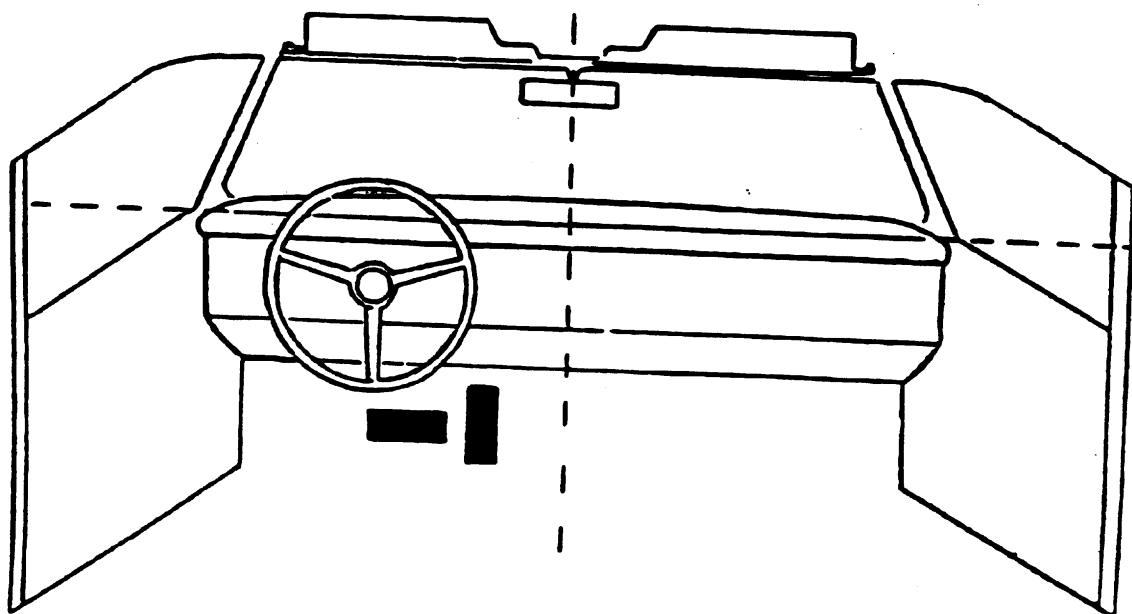
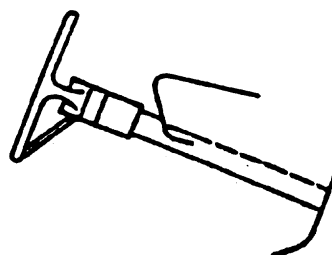
- (0) No  
 (1) Yes  
 (8) Not present  
 (9) Unknown

## VEHICLE INTERIOR SKETCHES

Note area of ejection/entrapment



No contacts  
Observed



Sketch windshield contact(s) and the damaged area(s) on the instrument panel outline (e.g., radio, glove compartment, damage to instrument panel structure.  
Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.  
Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

## POINTS OF OCCUPANT CONTACT

Contact	Interior Component Contacted	Occupant No. If Known	Body Region If Known	Supporting Physical Evidence	Confidence Level of Contact Point
A					
B					
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					
N					

## CODES FOR INTERIOR COMPONENTS

## FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify): \_\_\_\_\_
- (19) Other front object (specify): \_\_\_\_\_

## LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar

- (23) Left B-pillar
- (24) Other left pillar (specify): \_\_\_\_\_

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify): \_\_\_\_\_

- (28) Left side window sill

## RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify): \_\_\_\_\_

- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B pillar, or roof side rail.
- (37) Other right side object (specify): \_\_\_\_\_

- (38) Right side window sill

## INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify): \_\_\_\_\_
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)

- (46) Other occupants (specify): \_\_\_\_\_

- (47) Interior loose objects
- (48) Child safety seat (specify): \_\_\_\_\_

- (49) Other interior object (specify): \_\_\_\_\_

## ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

## FLOOR

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

## REAR

- (60) Backlight (rear window)
- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): \_\_\_\_\_

## CONFIDENCE LEVEL OF CONTACT POINT

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown



## AUTOMATIC RESTRAINTS

NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

### AIR BAGS

		Left	Right
F I R S T	Availability/Function		
	Deployment		
	Failure		

#### Air Bag System Availability/Function

- (0) Not equipped/not available  
(1) Air bag

#### Non-functional

- (2) Air bag disconnected (specify):  
\_\_\_\_\_  
(3) Air bag not reinstalled  
(9) Unknown

#### Air Bag System Deployment

- (0) Not equipped/not available  
(1) Air bag deployed during accident (as a result of impact)  
(2) Air bag deployed inadvertently just prior to accident  
(3) Air bag deployed, accident sequence undetermined  
(4) Nondeployed  
(5) Unknown if deployed  
(6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)  
(9) Unknown

#### Are There Indications of Air Bag System Failure?

- (0) Not equipped/not available  
(1) No  
(2) Yes (specify):  
\_\_\_\_\_  
(9) Unknown

### AUTOMATIC BELTS

		Left	Right
F I R S T	Availability/Function		
	Use		
	Type		
	Proper Use		
	Failure Modes		

#### Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available  
(1) 2 point automatic belts  
(2) 3 point automatic belts  
(3) Automatic belts - type unknown

#### Non-functional

- (4) Automatic belts destroyed or rendered inoperative  
(9) Unknown

#### Automatic (Passive) Belt System Use

- (0) Not equipped/not available/destroyed or rendered inoperative  
(1) Automatic belt in use  
(2) Automatic belt not in use (manually disconnected, motorized track inoperative)  
(3) Automatic belt use unknown  
(9) Unknown

#### Automatic (Passive) Belt System Type

- (0) Not equipped/not available  
(1) Non-motorized system  
(2) Motorized system  
(9) Unknown

#### Proper Use of Automatic (Passive) Belt System

- (0) Not equipped/not available/not used  
(1) Automatic belt used properly  
(2) Automatic belt used properly with child safety seat

#### Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under arm  
(4) Automatic shoulder belt worn behind back  
(5) Automatic belt worn around more than one person  
(6) Lap portion of automatic belt worn on abdomen  
(7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):  
\_\_\_\_\_

- (8) Other improper use of automatic belt system (specify):  
\_\_\_\_\_  
(9) Unknown

#### Automatic (Passive) Belt Failure Modes During Accident

- (0) Not equipped/not available/not in use  
(1) No automatic belt failure(s)  
(2) Torn webbing (stretched webbing not included)  
(3) Broken buckle or latchplate  
(4) Upper anchorage separated  
(5) Other anchorage separated (specify):  
\_\_\_\_\_  
(6) Broken retractor  
(7) Combination of above (specify):  
(8) Other automatic belt failure (specify):  
\_\_\_\_\_  
(9) Unknown

**MANUAL RESTRAINTS**

**NOTES:** Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a Child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page.

		Left	Center	Right
<b>FIRST</b>	Availability	04		04
	Evidence of usage	04		04
	Used in this crash?	04		00
	Proper Use	1		00
	Failure Modes	1		00
<b>SECOND</b>	Availability			0
	Evidence of usage			
	Used in this crash?			
	Proper Use			
	Failure Modes			
<b>OTHER</b>	Availability			
	Evidence of usage			
	Used in this crash?			
	Proper Use			
	Failure Modes			

**Manual (Active) Belt System Availability**

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available - type unknown

**Integral Belt Partially Destroyed**

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)

(8) Other belt (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

**Manual (Active) Belt System Use**

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperable (specify): \_\_\_\_\_

- (02) Shoulder belt \_\_\_\_\_
- (03) Lap belt \_\_\_\_\_
- (04) Lap and shoulder belt \_\_\_\_\_
- (05) Belt used - type unknown \_\_\_\_\_
- (08) Other belt used (specify): \_\_\_\_\_

- (12) Shoulder belt used with child safety seat \_\_\_\_\_
- (13) Lap belt used with child safety seat \_\_\_\_\_
- (14) Lap and shoulder belt used with child safety seat \_\_\_\_\_
- (15) Belt used with child safety seat - type unknown \_\_\_\_\_
- (18) Other belt used with child safety seat (specify): \_\_\_\_\_
- (99) Unknown if belt used \_\_\_\_\_

**Proper Use of Manual (Active) Belts**

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

**Belt Used Improperly**

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): \_\_\_\_\_

(8) Other improper use of manual belt system (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

**Manual (Active) Belt Failure Modes During Accident**

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify): \_\_\_\_\_

(6) Broken retractor \_\_\_\_\_

(7) Combination of above (specify): \_\_\_\_\_

(8) Other manual belt failure (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

## CHILD SAFETY SEAT FIELD ASSESSMENT

When a child safety seat is present enter the occupant's number in the first row and complete the column below the occupant's number using the codes listed below. Complete a column for each child safety seat present.

Occupant Number						
1. Type of Child Safety Seat						
2. Child Safety Seat Orientation						
3. Child Safety Seat Harness Usage						
4. Child Safety Seat Shield Usage						
5. Child Safety Seat Tether Usage						
6. Child Safety Seat Make/Model	Specify Below for Each Child Safety Seat					

### 1. Type of Child Safety Seat

- (0) No child safety seat
- (1) Infant seat
- (2) Toddler seat
- (3) Convertible seat
- (4) Booster seat
- (7) Other type child safety seat (specify): \_\_\_\_\_

- (8) Unknown child safety seat type
- (9) Unknown if child safety seat used

### 2. Child Safety Seat Orientation

- (00) No child safety seat
- Designed for Rear Facing for This Age/Weight
- (01) Rear facing
- (02) Forward facing
- (08) Other orientation (specify): \_\_\_\_\_
- (09) Unknown orientation

Designed for Forward Facing for This Age/Weight

- (11) Rear facing
- (12) Forward facing
- (18) Other orientation (specify): \_\_\_\_\_

- (19) Unknown orientation

Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight

- (21) Rear facing
- (22) Forward facing
- (28) Other orientation (specify): \_\_\_\_\_

- (29) Unknown orientation

- (99) Unknown if child safety seat used

### 3. Child Safety Seat Harness Usage

### 4. Child Safety Seat Shield Usage

### 5. Child Safety Seat Tether Usage

Note: Options Below Are Used for Variables 3-5.

- (00) No child safety seat

Not Designed with Harness/Shield/Tether

- (01) After market harness/shield/tether added, not used
- (02) After market harness/shield/tether used
- (03) Child safety seat used, but no after market harness/shield/tether added
- (09) Unknown if harness/shield/tether added or used

Designed With Harness/Shield/Tether

- (11) Harness/shield/tether not used
- (12) Harness/shield/tether used
- (19) Unknown if harness/shield/tether used

Unknown If Designed With Harness/Shield/Tether

- (21) Harness/shield/tether not used
- (22) Harness/shield/tether used
- (29) Unknown if harness/shield/tether used

- (99) Unknown if child safety seat used

### 6. Child Safety Seat Make/Model

(Specify make/model and occupant number)

---



---



---



---

**HEAD RESTRAINTS/SEAT EVALUATION**

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
FIRST	Head Restraint Type/Damage	1	/	1
	Seat Type	01	/	01
	Seat Performance	1	/	1
	Seat Orientation	1	/	1
SECOND	Head Restraint Type/Damage	/	/	/
	Seat Type	/	/	/
	Seat Performance	/	/	/
	Seat Orientation	/	/	/
THIRD	Head Restraint Type/Damage	/	/	/
	Seat Type	/	/	/
	Seat Performance	/	/	/
	Seat Orientation	/	/	/
OTHER	Head Restraint Type/Damage	/	/	/
	Seat Type	/	/	/
	Seat Performance	/	/	/
	Seat Orientation	/	/	/

**Head Restraint Type/Damage by Occupant at This Occupant Position**

- (0) No head restraints
- (1) Integral — no damage
- (2) Integral — damaged during accident
- (3) Adjustable — no damage
- (4) Adjustable — damaged during accident
- (5) Add-on — no damage
- (6) Add-on — damaged during accident
- (8) Other Specify: \_\_\_\_\_

(9) Unknown \_\_\_\_\_

**Seat Type (this Occupant Position)**

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify): \_\_\_\_\_

(10) Box mounted seat (i.e., van type) \_\_\_\_\_  
 (99) Unknown \_\_\_\_\_

**Seat Performance (this Occupant Position)**

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed specify: \_\_\_\_\_
- (4) Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify): \_\_\_\_\_

(7) Combination of above (specify): \_\_\_\_\_

(8) Other (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

**Seat Orientation (this Occupant Position)**

- (0) Occupant not seated or no seat
- (1) Forward facing seat
- (2) Rear facing seat
- (3) Side facing seat (inward)
- (4) Side facing seat (outward)
- (8) Other (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

**DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)**

**EJECTION/ENTRAPMENT DATA**

Complete the following if the researcher has any indication that an occupant was either ejected from or entrapped in the vehicle. Code the appropriate data on the Occupant Assessment Form.

**EJECTION** No [☒] Yes [ ]

Describe indications of ejection and body parts involved in partial ejection(s):

---



---



---



---



---

Occupant Number						
Ejection						
(Note on Vehicle Interior Sketch) Ejection Area						
Ejection Medium						
Medium Status						

**Ejection**

- (1) Complete ejection
- (2) Partial ejection
- (3) Ejection, Unknown degree
- (9) Unknown

**Ejection Area**

- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear

**(7) Roof**

- (8) Other area (e.g., back of pickup, etc.) (specify):

- (9) Unknown

**Ejection Medium**

- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify):

**(5) Integral structure**

- (8) Other medium (specify):

- (9) Unknown

**Medium Status (Immediately Prior to Impact)**

- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

**ENTRAPMENT** No [☒] Yes [ ]

Describe entrapment mechanism:

---



---



---



---

Component(s):

(Note in vehicle interior diagram)





# OCCUPANT ASSESSMENT FORM

BEST AVAILABLE

Form Approved  
O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

2. Case Number - Stratum

3. Vehicle Number

4. Occupant Number

## OCCUPANT'S CHARACTERISTICS

5. Occupant's Age

Code actual age at time of accident.

(00) Less than one year old (specify by month):

(97) 97 years and older

(99) Unknown

6. Occupant's Sex

(1) Male

(2) Female

(9) Unknown

7. Occupant's Height

Code actual height to the nearest  
centimeter.

(999) Unknown

\_\_\_\_ inches X 2.54 = \_\_\_\_ centimeters

8. Occupant's Weight

Code actual weight to the nearest  
kilogram.

(999) Unknown

\_\_\_\_ pounds X .4536 = \_\_\_\_ kilograms

9. Occupant's Role

(1) Driver

(2) Passenger

(9) Unknown

## OCCUPANT'S SEATING

10. Occupant's Seat Position

*Front Seat*

(11) Left side

(12) Middle

(13) Right side

(14) Other (specify):

(15) On or in the lap of another occupant

*Second Seat*

(21) Left side

(22) Middle

(23) Right side

(24) Other (specify):

(25) On or in the lap of another occupant

*Third Seat*

(31) Left side

(32) Middle

(33) Right side

(34) Other (specify):

(35) On or in the lap of another occupant

*Fourth Seat*

(41) Left side

(42) Middle

(43) Right side

(44) Other (specify):

(45) On or in the lap of another occupant

(97) In or on unenclosed area

(98) Other seat (specify):

(99) Unknown

11. Occupant's Posture

(0) Normal posture

*Abnormal posture*

(1) Kneeling or standing on seat

(2) Lying on or across seat

(3) Kneeling, standing or sitting in front of seat

(4) Sitting sideways or turned to talk with another  
occupant or to look out a rear window

(5) Sitting on a console

(6) Lying back in a reclined seat position

(7) Bracing with feet or hands on a surface in front  
of seat

(8) Other abnormal posture (specify):

(9) Unknown

## EJECTION/ENTRAPMENT

12. Ejection 0

- (0) No ejection
- (1) Complete ejection
- (2) Partial ejection
- (3) Ejection, unknown degree
- (9) Unknown

13. Ejection Area 0

- (0) No ejection
- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear
- (7) Roof
- (8) Other area (e.g., back of pickup, etc.)  
(specify): \_\_\_\_\_
- (9) Unknown

14. Ejection Medium 0

- (0) No ejection
- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify): \_\_\_\_\_
- (5) Integral structure
- (8) Other medium (specify): \_\_\_\_\_
- (9) Unknown

15. Medium Status (Immediately Prior To Impact) 0

- (0) No ejection
- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

16. Entrapment 0

(NOTE: Entrapped means that part of the person was in the vehicle and mechanically restrained; jammed doors and immobilizing injuries by themselves are not sufficient to constitute entrapment.)

- (0) Not entrapped
- (1) Entrapped
- (9) Unknown

## RESTRAINT SYSTEM EVALUATION

17. Manual (Active) Belt System Availability 4

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available—type unknown

*Integral Belt Partially Destroyed*

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)

(8) Other belt (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

18. Manual (Active) Belt System Use 0 4

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperative (specify): \_\_\_\_\_

(02) Shoulder belt \_\_\_\_\_

(03) Lap belt \_\_\_\_\_

(04) Lap and shoulder belt \_\_\_\_\_

(05) Belt used—type unknown \_\_\_\_\_

(08) Other belt used (specify): \_\_\_\_\_

(12) Shoulder belt used with child safety seat \_\_\_\_\_

(13) Lap belt used with child safety seat \_\_\_\_\_

(14) Lap and shoulder belt used with child safety seat \_\_\_\_\_

(15) Belt used with child safety seat—type unknown \_\_\_\_\_

(18) Other belt used with child safety seat (specify): \_\_\_\_\_

(99) Unknown if belt used \_\_\_\_\_

19. Proper Use of Manual (Active) Belts 1

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

*Belt Used Improperly*

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): \_\_\_\_\_

(8) Other improper use of manual belt system (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

20. Manual (Active) Belt Failure Modes During Accident 1

- (0) No manual belt used
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify): \_\_\_\_\_

(6) Broken retractor \_\_\_\_\_

(7) Combination of above (specify): \_\_\_\_\_

(8) Other manual belt failure (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

21. Air Bag System Availability/Function 0

- (0) Not equipped/not available
- (1) Air bag

*Non-functional*

(2) Air bag disconnected (specify): \_\_\_\_\_

(3) Air bag not reinstalled \_\_\_\_\_

(9) Unknown \_\_\_\_\_

22. Air Bag System Deployment 0

- (0) Not equipped/not available
- (1) Air bag deployed during accident (as a result of impact)
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined
- (4) Nondeployed
- (5) Unknown if deployed
- (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (9) Unknown

23. Are There Indications of Air Bag System Failure? 9

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify): \_\_\_\_\_

(9) Unknown \_\_\_\_\_

Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts

24. Police Reported Restraint Use 1

- (0) None used
- (1) Police did not indicate restraint use
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt used, type not specified
- (6) Child safety seat
- (7) Other or automatic restraint (specify): \_\_\_\_\_

(8) Restrained, type unknown \_\_\_\_\_

(9) Police indicated "unknown" \_\_\_\_\_

## HEAD RESTRAINT AND SEAT EVALUATION

25. Head Restraint Type/Damage by Occupant  
at This Occupant Position 1

- (0) No head restraints
- (1) Integral—no damage
- (2) Integral—damaged during accident
- (3) Adjustable—no damage
- (4) Adjustable—damaged during accident
- (5) Add-on—no damage
- (6) Add-on—damaged during accident
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown

26. Seat Type (this Occupant Position) 01

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify): \_\_\_\_\_
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

27. Seat Performance (this Occupant Position) 1

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed (specify): \_\_\_\_\_
- (4) Seat track/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify): \_\_\_\_\_
- (7) Combination of above (specify): \_\_\_\_\_
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown

## CHILD SAFETY SEAT

28. Child Safety Seat Make/Model LT20  
(000) No child safety seat  
Applicable codes are found in your NASS CDS  
Data Collection, Coding and Editing  
(950) Built-in child safety seat  
(997) Other make/model (specify):

(998) Unknown make/model  
(999) Unknown if child safety seat used

29. Type of Child Safety Seat 0  
(0) No child safety seat  
(1) Infant seat  
(2) Toddler seat  
(3) Convertible seat  
(4) Booster seat  
(7) Other type child safety seat (specify):

(8) Unknown child safety seat type  
(9) Unknown if child safety seat used

30. Child Safety Seat Orientation 00  
(00) No child safety seat

*Designed for Rear Facing for This Age/Weight*

- (01) Rear facing  
(02) Forward facing  
(08) Other orientation (specify):

(09) Unknown orientation

*Designed For Forward Facing for This Age/Weight*

- (11) Rear facing  
(12) Forward facing  
(18) Other orientation (specify):

(19) Unknown orientation

*Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight*

- (21) Rear facing  
(22) Forward facing  
(28) Other orientation (specify):

(29) Unknown orientation

(99) Unknown if child safety seat used

31. Child Safety Seat Harness Usage 00

32. Child Safety Seat Shield Usage 00

33. Child Safety Seat Tether Usage 00

Note: Options below applicable to  
Variables OA31-OA33.

(00) No child safety seat

*Not Designed With Harness/Shield/Tether*

- (01) After market harness/shield/tether  
added, not used  
(02) After market harness/shield/tether used  
(03) Child safety seat used, but no after market  
harness/shield/tether added  
(09) Unknown if harness/shield/tether  
added or used

*Designed With Harness/Shield/Tether*

- (11) Harness/shield/tether not used  
(12) Harness/shield/tether used  
(19) Unknown if harness/shield/tether used

*Unknown If Designed With Harness/Shield/Tether*

- (21) Harness/shield/tether not used  
(22) Harness/shield/tether used  
(29) Unknown if harness/shield/tether used

(99) Unknown if child safety seat used



## INJURY CONSEQUENCES

34. Injury Severity (Police Rating) 1

- (0) O - No injury
- (1) C - Possible injury
- (2) B - Nonincapacitating injury
- (3) A - Incapacitating injury
- (4) K - Killed
- (5) U - Injury, severity unknown
- (6) Died prior to accident
- (9) Unknown

35. Treatment - Mortality 6

- (0) No treatment
- (1) Fatal
- (2) Fatal - ruled disease (specify):

*Nonfatal*

- (3) Hospitalization
- (4) Transported and released
- (5) Treatment at scene - nontransported
- (6) Treatment later
- (8) Treatment - other (specify):
- (9) Unknown

36. Type Of Medical Facility (for Initial Treatment) 2

- (0) Not treated at a medical facility
- (1) Trauma center
- (2) Hospital
- (3) Medical clinic
- (4) Physician's office
- (5) Treatment later at medical facility
- (8) Other (specify):
- (9) Unknown

37. Hospital Stay 12

- (00) Not Hospitalized
- Code the number of days (up through 60) that the occupant stayed in hospital.
- (61) 61 days or more
- (99) Unknown

38. Working Days Lost 99

- Code the number of days (up through 60) that the occupant lost from work due to the accident
- (00) No working days lost
- (61) 61 days or more
- (62) Fatally injured
- (97) Not working prior to accident
- (99) Unknown

**STOP - GO TO VARIABLE 44 ON PAGE 7****VARIABLES 39 THROUGH 43 ARE COMPLETED BY THE ZONE CENTER**39. Time to Death 02

- Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, ... n days = 30 + n up through 30 days = 60)
- (00) Not fatal
- (96) Fatal - ruled disease
- (99) Unknown

40. 1st Medically Reported Cause of Death 0041. 2nd Medically Reported Cause of Death 0042. 3rd Medically Reported Cause of Death 02

- Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death
- (00) Not fatal or no additional causes
- (96) Mode of death given but specific injuries are not linked to cause of death. (specify):
- (97) Other result (includes fatal ruled disease) (specify):
- (99) Unknown

43. Number of Recorded Injuries for This Occupant 01

- Code the actual number of injuries recorded for this occupant.
- (00) No recorded injuries
- (97) Injured, details unknown
- (99) Unknown if injured

**AUTOMATIC BELT SYSTEM****44. Automatic (Passive) Belt System Availability/Function** 0

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts - type unknown

*Non-functional*

- (4) Automatic belts destroyed or rendered inoperative
- (9) Unknown

**45. Automatic (Passive) Belt System Use** 0

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): \_\_\_\_\_
- (3) Automatic belt use unknown
- (9) Unknown

**46. Automatic (Passive) Belt System Type** 0

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system
- (9) Unknown

**47. Proper Use of Automatic (Passive) Belt System** 0

- (0) Not equipped/not available/not used
- (1) Automatic belt used properly
- (2) Automatic belt used properly with child safety seat

*Automatic Belt Used Improperly*

- (3) Automatic shoulder belt worn under arm
- (4) Automatic shoulder belt worn behind back
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify): \_\_\_\_\_

- (8) Other improper use of automatic belt system (specify): \_\_\_\_\_
- (9) Unknown

**48. Automatic (Passive) Belt Failure Modes During Accident** 0

- (0) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify): \_\_\_\_\_
- (6) Broken retractor
- (7) Combination of above (specify): \_\_\_\_\_
- (8) Other automatic belt failure (specify): \_\_\_\_\_
- (9) Unknown

**49. Seat Orientation (this Occupant Position)** 1

- (0) Occupant not seated or no seat
- (1) Forward facing seat
- (2) Rear facing seat
- (3) Side facing seat (inward)
- (4) Side facing seat (outward)
- (8) Other (specify): \_\_\_\_\_
- (9) Unknown

Check the Primary Source Used In Determining Belt Use.

- [ ] Not equipped/not available/destroyed or rendered inoperative
- [ ] Vehicle inspection
- [ ] Official injury data
- [ ] Driver/occupant interview
- [ ] Other (specify): \_\_\_\_\_

[ ] Unknown if belt used

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

ARE ALL APPLICABLE MEDICAL RECORDS INCLUDED  
WITH INITIAL SUBMISSION?

NO [ ] YES [ ]

UPDATE CANDIDATE?

NO [ ] YES [ ]

**STOP - VARIABLES 50 THROUGH 53 ARE  
COMPLETED BY THE ZONE CENTER****TRAUMA DATA**

50. Glasgow Coma Scale (GCS) Score 02  
(at Medical Facility)  
(00) Not injured  
(01) Injured - not treated at medical facility  
(02) No GCS Score at medical facility  
(03-15) Code the actual value of the  
initial GCS Score recorded at medical  
facility.  
(97) Injured, details unknown  
(99) Unknown if injured

51. Was the Occupant Given Blood? 1  
(1) No - blood not given  
(2) Yes - blood given  
(specify units): \_\_\_\_\_  
(9) Unknown if blood given

52. Arterial Blood Gases (ABG) -  $\text{HCO}_3$  01  
(00) Not injured  
(01) Injured, ABGs not measured or reported  
(02-50) Code the actual value of the  $\text{HCO}_3$   
(96) ABGs reported,  $\text{HCO}_3$  unknown  
(97) Injured, details unknown  
(99) Unknown if injured

**BELT USE DETERMINATION**

53. Primary Source of Belt Use Determination 1  
(0) Not equipped/not available/destroyed  
or rendered inoperative  
(1) Vehicle inspection  
(2) Official injury data  
(3) Driver/occupant interview  
(8) Other (specify): \_\_\_\_\_  
(9) Unknown if belt used



U.S. Department of Transportation  
National Highway Traffic Safety  
Administration

## OCCUPANT INJURY FORM

Form Approved  
O.M.B. No. 2127-0021  
NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

3. Vehicle Number

2. Case Number - Stratum

4. Occupant Number

### INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
1st	5. 9	6. 8	7. 7	8. 02	9. 02	10. 1	11. 2	12. 09	13. 2	14. 1	15. 00
2nd	16. ____	17. ____	18. ____	19. ____	20. ____	21. ____	22. ____	23. ____	24. ____	25. ____	26. ____
3rd	27. ____	28. ____	29. ____	30. ____	31. ____	32. ____	33. ____	34. ____	35. ____	36. ____	37. ____
4th	38. ____	39. ____	40. ____	41. ____	42. ____	43. ____	44. ____	45. ____	46. ____	47. ____	48. ____
5th	49. ____	50. ____	51. ____	52. ____	53. ____	54. ____	55. ____	56. ____	57. ____	58. ____	59. ____
6th	60. ____	61. ____	62. ____	63. ____	64. ____	65. ____	66. ____	67. ____	68. ____	69. ____	70. ____
7th	71. ____	72. ____	73. ____	74. ____	75. ____	76. ____	77. ____	78. ____	79. ____	80. ____	81. ____
8th	82. ____	83. ____	84. ____	85. ____	86. ____	87. ____	88. ____	89. ____	90. ____	91. ____	92. ____
9th	93. ____	94. ____	95. ____	96. ____	97. ____	98. ____	99. ____	100. ____	101. ____	102. ____	103. ____
10th	104. ____	105. ____	106. ____	107. ____	108. ____	109. ____	110. ____	111. ____	112. ____	113. ____	114. ____

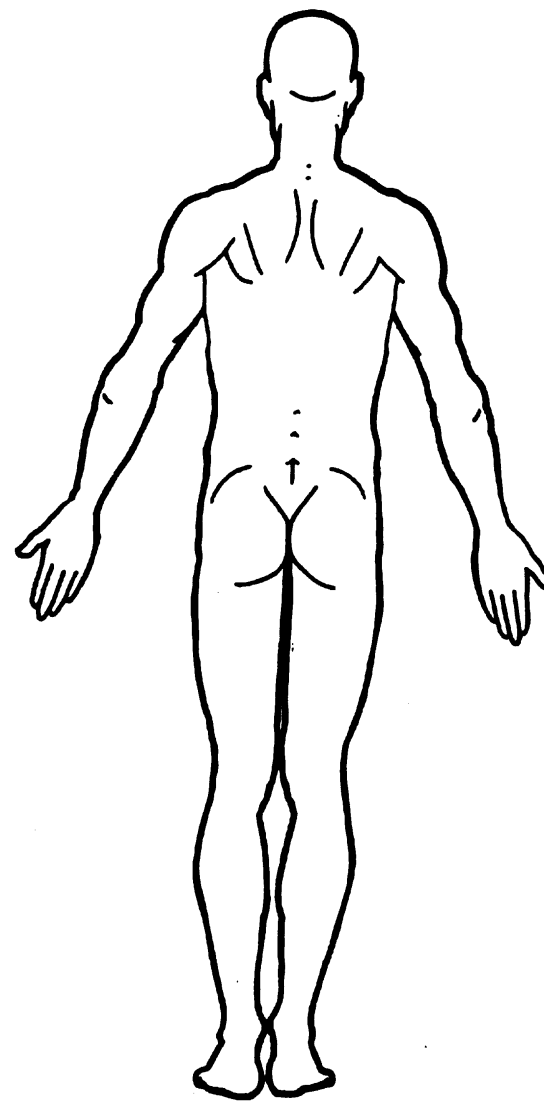
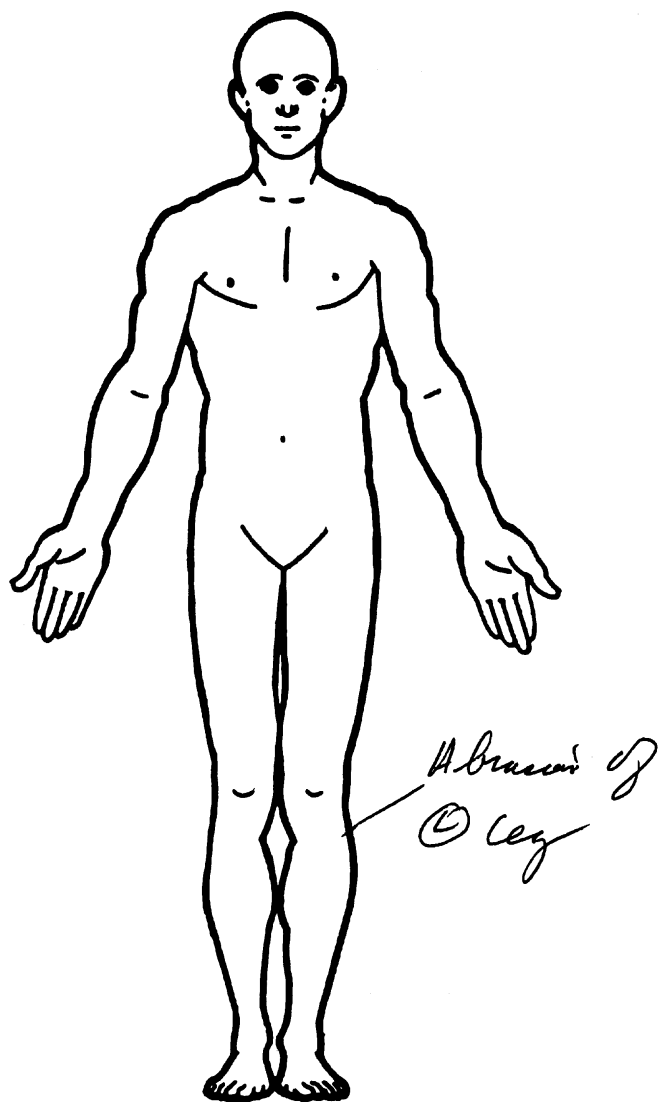
## OCCUPANT INJURY DATA

		A.I.S. - 90							Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source			
11th	---	---	---	-----	----	---	---	-----	---	---	-----
12th	---	---	---	-----	----	---	---	-----	---	---	-----
13th	---	---	---	-----	----	---	---	-----	---	---	-----
14th	---	---	---	-----	----	---	---	-----	---	---	-----
15th	---	---	---	-----	----	---	---	-----	---	---	-----
16th	---	---	---	-----	----	---	---	-----	---	---	-----
17th	---	---	---	-----	----	---	---	-----	---	---	-----
18th	---	---	---	-----	----	---	---	-----	---	---	-----
19th	---	---	---	-----	----	---	---	-----	---	---	-----
20th	---	---	---	-----	----	---	---	-----	---	---	-----
21st	---	---	---	-----	----	---	---	-----	---	---	-----
22nd	---	---	---	-----	----	---	---	-----	---	---	-----
23rd	---	---	---	-----	----	---	---	-----	---	---	-----
24th	---	---	---	-----	----	---	---	-----	---	---	-----
25th	---	---	---	-----	----	---	---	-----	---	---	-----



## OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



## SOURCE OF INJURY DATA

### OFFICIAL

- (1) Autopsy records with or without hospital/medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

### UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): \_\_\_\_\_
- (9) Police

## INJURY SOURCE

### FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify): \_\_\_\_\_
- (19) Other front object (specify): \_\_\_\_\_

### LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify): \_\_\_\_\_

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify): \_\_\_\_\_

- (28) Left side window sill

### RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify): \_\_\_\_\_

- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify): \_\_\_\_\_

- (38) Right side window sill

### INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify): \_\_\_\_\_
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify): \_\_\_\_\_
- (47) Interior loose objects
- (48) Child safety seat (specify): \_\_\_\_\_
- (49) Other interior object (specify): \_\_\_\_\_

### ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

### FLOOR

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

### REAR

- (60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): \_\_\_\_\_

### EXTERIOR OF OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): \_\_\_\_\_
- (68) Unknown exterior objects

### EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): \_\_\_\_\_

- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): \_\_\_\_\_

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): \_\_\_\_\_

- (83) Unknown exterior of other motor vehicle

### OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify): \_\_\_\_\_
- (86) Unknown vehicle or object

### NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): \_\_\_\_\_
- (93) Air bag exhaust gases
- (97) Injured, unknown source

## INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

## DIRECT/INDIRECT INJURY

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

## OCCUPANT INJURY CLASSIFICATION

### Body Region

- (1) Head
- (2) Face
- (3) Neck
- (4) Thorax
- (5) Abdomen
- (6) Spine
- (7) Upper Extremity
- (8) Lower Extremity
- (9) Unspecified

### Type of Anatomic Structure

- (1) Whole Area
- (2) Vessels
- (3) Nerves
- (4) Organs (includes muscles/ligaments)
- (5) Skeletal (includes joints)
- (6) Head - LOC
- (9) Skin

### Specific Anatomic Structure

- Whole Area
- (02) Skin - Abrasion
  - (04) Skin - Contusion
  - (06) Skin - Laceration
  - (08) Skin - Avulsion
  - (10) Amputation
  - (20) Burn
  - (30) Crush
  - (40) Degloving
  - (50) Injury - NFS
  - (90) Trauma, other than mechanical

### Head - LOC

- (02) Length of LOC
- (04, 06, 08) Level of Consciousness
- (10) Concussion

### Spine

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

### Vessels, Nerves, Organs, Bones,

Joints are assigned consecutive two digit numbers beginning with 02

### Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

### Abbreviated Injury Scale

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

### Aspect

- (1) Right
- (2) Left
- (3) Bilateral
- (4) Central
- (5) Anterior
- (6) Posterior
- (7) Superior
- (8) Inferior
- (9) Unknown
- (0) Whole region

# OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

\_\_\_ No

\_\_\_ Yes

Blood Alcohol  
Level (mg/dl)

BAL = \_\_\_

Glasgow Coma  
Scale Score

GCSS = \_\_\_

Units of Blood  
Given

Units = \_\_\_

Arterial Blood  
Gases

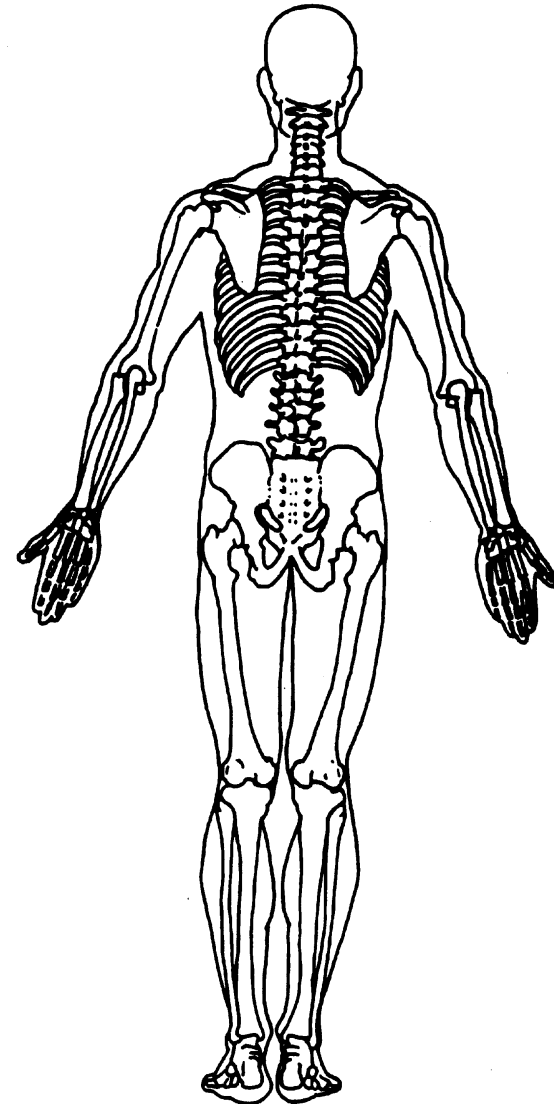
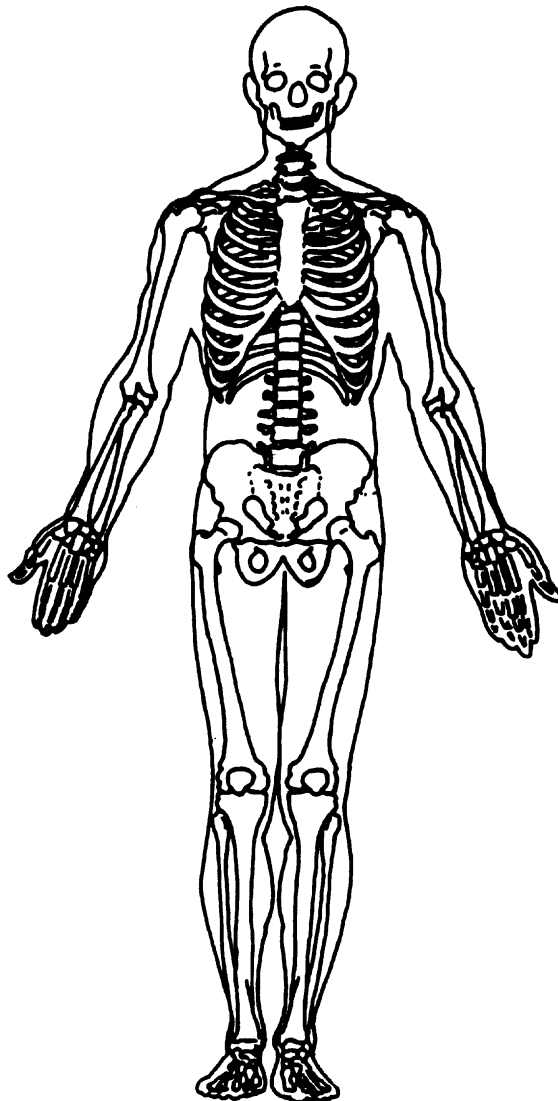
pH = \_\_\_

PO<sub>2</sub> = \_\_\_

PCO<sub>2</sub> \_\_\_

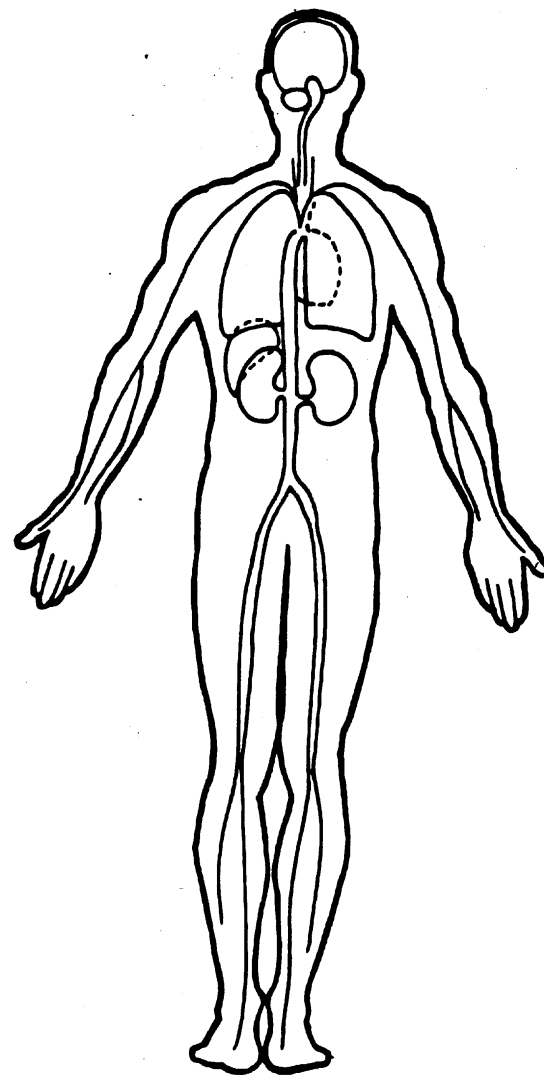
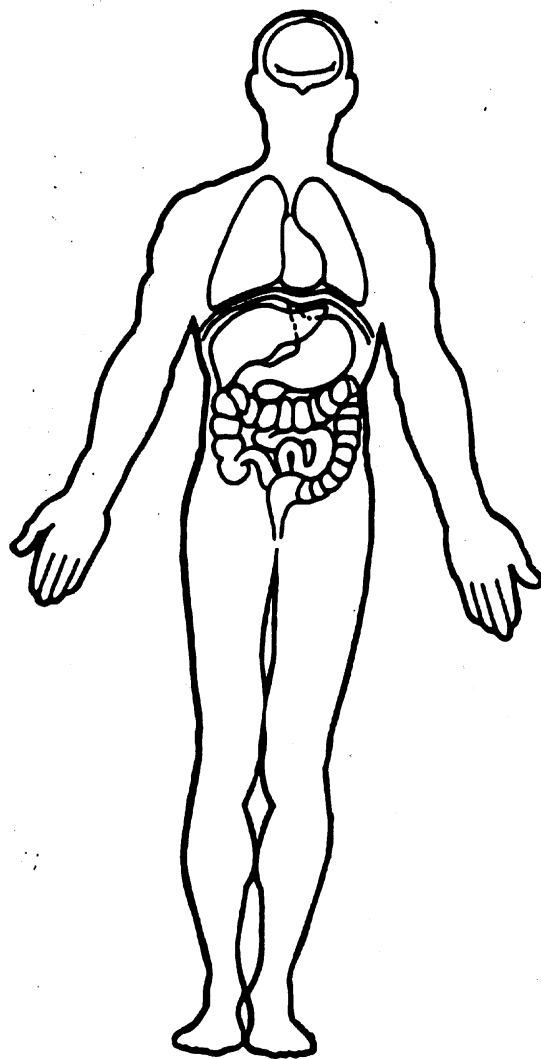
HCO<sub>3</sub> \_\_\_

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



## OFFICIAL INJURY DATA — INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



# State Department of Motor Vehicles POLICE ACCIDENT REPORT

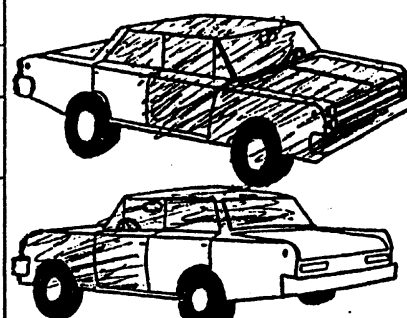
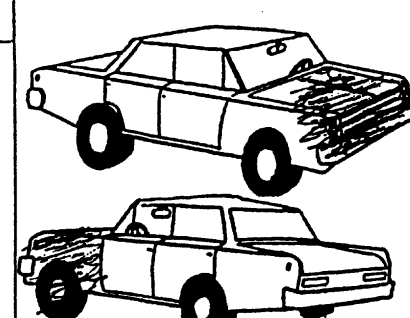
DMV COPY

Page 1 of 2 Pages

Local Codes

Accident Date Mo. / Day / Year 94	Day of Week MON	Time 2:05	<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	No. of Vehicles 2	No. Injured 1	No. Killed 5	Non-Highway <input type="checkbox"/>	Not Investigated at Scene <input type="checkbox"/>	Left Scene <input type="checkbox"/>	Police Photos <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---	--------------------	--------------	---	----------------------	------------------	-----------------	---	---	--	--

VEHICLE 1						VEHICLE 2						BICYCLIST		PEDESTRIAN	
Name — exactly as printed on license						Name — exactly as printed on license						DMV USE		DMV USE	
Number and Street						Number and Street									
City						City						State		Zip Code	
Date of Birth						Date of Birth						Sex		Unlicensed	
Mo. / Day / Year						Mo. / Day / Year						m		<input type="checkbox"/>	
No. of Occup.						No. of Occup.						Public Property Damaged		State of License	
5						1						<input type="checkbox"/>		<input type="checkbox"/>	
Name — exactly as printed on registration						Name — exactly as printed on registration						Date of Birth		Date of Birth	
SAME AS ABOVE						Corp.						Mo. / Day / Year		Mo. / Day / Year	
Number and Street						Number and Street						Hazardous Material Code		Hazardous Material Code	
City						City						State		Zip Code	
Plate Number						Plate Number						State of Reg.		Yr. & Vehicle Make	
Olds						PAS						1994 FRHT.		TR.	

Check if involved vehicle:		ACCIDENT DIAGRAM						Check if involved vehicle:	
<input type="checkbox"/> is a commercial motor vehicle; <input type="checkbox"/> is more than 95 inches wide; <input type="checkbox"/> is more than 34 feet long; <input type="checkbox"/> was operated with an overweight permit; <input type="checkbox"/> was operated with an overdimension permit.		Rear End   Left Turn   Right Angle   Right Turn   Head-On 1.   3.   4.   5.   6. Overtaking   Left Turn   Right Turn   Sideswipe 2.   0.   6.   8.						<input type="checkbox"/> is a commercial motor vehicle; <input type="checkbox"/> is more than 95 inches wide; <input type="checkbox"/> is more than 34 feet long; <input type="checkbox"/> was operated with an overweight permit; <input type="checkbox"/> was operated with an overdimension permit.	
VEHICLE 1 DAMAGE		SEE ACCIDENT DIAGRAM & MV_104S						VEHICLE 2 DAMAGE	
 <input type="checkbox"/> No Damage <input type="checkbox"/> Undercarriage								 <input type="checkbox"/> No Damage <input type="checkbox"/> Undercarriage	
Vehicle Towed By		9.						Vehicle Towed By	

Reference Marker	DMV USE ONLY	County	<input type="checkbox"/> City	<input checked="" type="checkbox"/> Town	<input type="checkbox"/> Village
9 5 2 0					
5 3 0 1		Route No. and Street Name	<input type="checkbox"/> Miles <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> Feet <input type="checkbox"/> S <input type="checkbox"/> W of <input checked="" type="checkbox"/> At Intersection with		
1 1 0 1		on	WARD RD		
Ticket/Arrest	<input type="checkbox"/> Other	Ticket/Arrest Number(s)	Nearest intersecting Route/Street		
<input type="checkbox"/> Opr 1	<input type="checkbox"/> Pedestrian	Violation Section(s)			
<input type="checkbox"/> Opr 2	<input type="checkbox"/> Bicyclist				

Accident Description/Officer's Notes: Vehicle#1 was traveling east bound on [redacted] Veh#2 was traveling west bound on [redacted]. Veh#1 went into the west bound lane where both vehicles collided. Witness: [redacted]. Veh#2 was hauling a 1985 GR.D. trailer [redacted], INS. Code 147, owned by: [redacted]. VEH#2 driver declined transportation to a Hospital and indicated he would seek his own transportation.

	8	9	10	11	12	13	14	15	16	17 BY	TO 18	Names - If Deceased Give Date of Death
A	1	1	1	1	35	m	12	-	1	9994	1405	[redacted]-94
B	1	3	5	1	7mo	m	12	-	1	9994	1405	[redacted]-94
C	1	6	1	1	8	m	12	-		9994	1405	[redacted]-94
D	1	4	2	1	3	m	12	-	2	9993	1413	[redacted]-94
E	1	5	2	1	6	m	12	-	2	9997	1422	[redacted]-94
F	2	1	-	1	36	m	11	12	6	-	-	
G												

SIGN	Officer's Rank and Name	Badge No.	Department	Precinct/Post Troop/Zone	Station/Beat/ Sector	Reviewing Officer	Date/Time Reviewed
------	-------------------------	-----------	------------	--------------------------	----------------------	-------------------	--------------------



PEDESTRIAN/BICYCLIST LOCATION		APPARENT CONTRIBUTING FACTORS		VEHICULAR	
1. Pedestrian/Bicyclist at Intersection 2. Pedestrian/Bicyclist Not at Intersection		<b>HUMAN</b> 2. Alcohol Involvement 3. Backing Unsafely 4. Driver Inattention (Indicate) * 5. Driver Inexperience (Indicate) * 6. Drugs (Illegal) 7. Failure to Yield Right-of-Way 8. Fell Asleep 9. Following Too Closely 10. Illness 11. Lost Consciousness 12. Passenger Distraction 13. Passing or Lane Usage Improper 14. Pedestrian's/Bicyclist's Error/Confusion 15. Physical Disability 16. Prescription Medication 17. Traffic Control Disregarded 18. Turning Improperly 19. Unsafe Speed 20. Unsafe Lane Changing 40. Other Human *		41. Accelerator Defective 42. Brakes Defective 43. Headlights Defective 44. Other Lighting Defects 45. Oversized Vehicle 46. Steering Failure 47. Tire Failure/Inadequate 48. Tow Hitch Defective 49. Windshield/Inadequate 60. Other Vehicular *	
<b>PEDESTRIAN/BICYCLIST ACTION</b> 1. Crossing, With Signal 2. Crossing, Against Signal 3. Crossing, No Signal, Marked Crosswalk 4. Crossing, No Signal or Crosswalk 5. Riding/Walking Along Highway With Traffic 6. Riding/Walking Along Highway Against Traffic 7. Emerging from in Front of/Behind Parked Vehicle 8. Going To/From Stopped School Bus 9. Getting On/Off Vehicle Other Than School Bus 10. Pushing/Working On Car 11. Working in Roadway 12. Playing in Roadway 13. Other Actions in Roadway * 14. Not in Roadway (Indicate)				<b>ENVIRONMENTAL</b> 61. Animal's Action 62. Glare 63. Lane Marking Improper/Inadequate 64. Obstruction/Debris 65. Pavement Defective 66. Pavement Slippery 67. Shoulders Defective/Improper 68. Traffic Control Device Improper/Non-Working 69. View Obstructed/Limited 80. Other Environmental *	
<b>TRAFFIC CONTROL</b> 1. None 2. Traffic Signal 3. Stop Sign 4. Flashing Light 5. Yield Sign 6. Officer/Guard 7. No Passing Zone 8. RR Crossing Sign 9. RR Crossing Flashing Lt. 10. RR Crossing Gates 11. Stopped School Bus - Red Lights Flashing 12. Construction Work Area 13. Maintenance Work Area 14. Utility Work Area 20. Other *		<b>DIRECTION OF TRAVEL</b> 		Vehicle 1 19 Vehicle 1 20 Vehicle 2 21 Vehicle 2 22 Vehicle 1 23 Vehicle 2 24	
<b>LIGHT CONDITIONS</b> 1. Daylight 2. Dawn 3. Dusk 4. Dark-Road Lighted 5. Dark-Road Unlighted				<b>PRE-ACCIDENT VEHICLE ACTION</b> 1. Going Straight Ahead 2. Making Right Turn 16. Making Right Turn on Red 3. Making Left Turn 17. Making Left Turn on Red 4. Making U Turn 5. Starting from Parking 6. Starting in Traffic 7. Slowing or Stopping 8. Stopped in Traffic 9. Entering Parked Position 10. Parked 11. Avoiding Object in Roadway 12. Changing Lanes 13. Overtaking 14. Merging 15. Backing 20. Other *	
<b>ROADWAY CHARACTER</b> 1. Straight and Level 2. Straight and Grade 3. Straight at Hillcrest 4. Curve and Level 5. Curve and Grade 6. Curve at Hillcrest		<b>Department of Motor Vehicles</b> <b>POLICE ACCIDENT REPORT</b>  * EXPLAIN IN ACCIDENT DESCRIPTION If a question DOES NOT APPLY, enter a dash (-). If an answer is UNKNOWN, enter an "X"		<b>LOCATION OF FIRST EVENT</b> 1. On Roadway 2. Off Roadway	
<b>ROADWAY SURFACE CONDITION</b> 1. Dry 2. Wet 3. Muddy 4. Snow/Ice 5. Slush 0. Other *				<b>TYPE OF ACCIDENT</b> <b>COLLISION WITH</b> 1. Other Motor Vehicle 2. Pedestrian 3. Bicyclist 4. Animal 5. Railroad Train 10. Other Object (Not Fixed) * <b>COLLISION WITH FIXED OBJECT</b> 11. Light Support/Utility Pole 12. Guide Rail 13. Crash Cushion 14. Sign Post 15. Tree 16. Building/Wall 17. Curbing 18. Fence 19. Bridge Structure 20. Culvert/Head Wall 21. Median/Barrier 22. Snow Embankment 23. Earth Embankment/Rock Cut/Ditch 24. Fire Hydrant 30. Other Fixed Object * <b>NON-COLLISION</b> 31. Overturned 32. Fire/Explosion 33. Submersion 34. Ran Off Roadway Only 40. Other *	
<b>WEATHER</b> 1. Clear 2. Cloudy 3. Rain 4. Snow 5. Sleet/Hail/Freezing Rain 6. Fog/Smog/Smoke 0. Other *		<b>LOCATION OF MOST SEVERE PHYSICAL COMPLAINT</b> 1. Head 2. Face 3. Eye 4. Neck 5. Chest 6. Back 7. Shoulder-Upper Arm 8. Elbow-Lower Arm-Hand 9. Abdomen - Pelvis 10. Hip-Upper Leg 11. Knee-Lower Leg-Foot 12. Entire Body		<b>SECOND EVENT</b> Vehicle 1 29 Vehicle 2 30	
<b>WHICH VEHICLE OCCUPIED</b> 1. Vehicle No. 1 2. Vehicle No. 2 B. Bicyclist P. Pedestrian O. Other *		<b>TYPE OF PHYSICAL COMPLAINT</b> 1. Amputation 2. Concussion 3. Internal 4. Minor Bleeding 5. Severe Bleeding 6. Minor Burn 7. Moderate Burn 8. Severe Burn 9. Fracture - Dislocation 10. Contusion - Bruise 11. Abrasion 12. Complaint of Pain 13. None Visible		<b>COVER SHEET</b> <b>H</b>	
<b>POSITION IN/ON VEHICLE</b> 1. Driver 2-7. Passengers 8. Riding/Hanging on Outside		<b>EJECTION FROM VEHICLE</b> 1. Not Ejected 2. Partially Ejected 3. Ejected		<b>VICTIM'S PHYSICAL AND EMOTIONAL STATUS</b> 1. Apparent Death 2. Unconscious 3. Semiconscious 4. Incoherent 5. Shock 6. Conscious	
<b>SAFETY EQUIPMENT USED</b> 1. None 2. Lap Belt 3. Harness 4. Lap Belt/Harness 5. Child Restraint Only 6. Helmet 7. Air Bag Only 8. Air Bag/Lap Belt 9. Air Bag/Harness A. Air Bag/Lap Belt/Harness B. Air Bag/Child Restraint 0. Other *		<b>AGE</b> 11 12 13 14 15 16		<b>INJURED TAKEN</b> 17 BY TO 18	

State Department of Motor Vehicles  
**TRUCK and BUS SUPPLEMENTAL  
POLICE ACCIDENT REPORT**

DMV USE ONLY

Page 1 of 1 Pages

Local Codes

Amended Report

<b>NUMBER OF QUALIFYING VEHICLES INVOLVED:</b>  1 Trucks with 6 or more tires or a Haz Mat Placard.  Buses designed to carry 16 or more persons		<b>NUMBER OF VEHICLES:</b> 2 Towed from scene due to damage Provided intervening assistance		<b>DMV USE ONLY</b>	
<b>NUMBER OF PERSONS:</b> 5 Sustaining fatal injuries Transported for IMMEDIATE medical treatment					
<b>DATE OF ACCIDENT</b> MO. DAY YEAR 94		<b>TIME OF ACCIDENT (Military)</b> 1405hrs		<b>COUNTY</b>	
<b>DRIVER</b> License Number		<b>CITY</b>		<b>STATE</b>	
Name:		Date of Birth: MO. DAY YR. 58		SEX: m	
<b>CARRIER'S NAME:</b>		<b>SOURCE</b> 1 Vehicle side 2 Shipping papers 3 Driver 4 Other 5 Unknown		<b>MV-104/AN VEH NUMBER</b>	
<b>STREET OR P.O. BOX</b>		<b>STATE</b>		<b>ZIP CODE</b>	
<b>CARRIER'S IDENTIFICATION NUMBERS</b> US DOT		ICC MC		<b>PLATE NUMBER:</b>	
<b>GROSS VEHICLE WEIGHT RATING</b> Truck/Tractor 52000 lbs.		<b>VEHICLE IDENTIFICATION NUMBER</b>		<b>STATE OF REG.</b>	
<b>VEHICLE CONFIGURATION</b> 0 4 tires With Haz Mat Placard 1 Bus 2 Single-unit truck: 2 axles, 6 tires 3 Single-unit truck: 3 or more axles 4 Truck/trailer 5 Tractor (no trailer) 6 Tractor/semi-trailer 7 Tractor/doubles 8 Tractor/triples 9 Unknown heavy truck		<b>TRAFFIC WAY</b> 1 Not physically divided (2-way trafficway) 2 Divided highway, median strip, without traffic barrier 3 Divided highway, median strip with traffic barrier 4 One-way trafficway			
<b>CARGO BODY TYPE</b> 1 Bus 2 Van/enclosed box 3 Cargo tank 4 Flatbed 5 Dump 6 Concrete mixer 7 Auto Transporter 8 Garbage/Refuse 9 Other		<b>ACCESS CONTROL</b> 1 No control (unlimited access) 2 Full control (only ramp entry and exit) 3 Other			
<b>HAZARDOUS MATERIALS INVOLVEMENT</b> Does vehicle have Haz Mat placard? 1 Yes 2 No		<b>SEQUENCE OF EVENTS (FOR THIS VEHICLE)</b> NON-COLLISION: 01 Ran off road 02 Jackknife 03 Overturn/Rollover 04 Downhill runaway 05 Cargo loss or shift 06 Explosion or fire 07 Separation of units COLLISION WITH: 08 Pedestrian 09 Motor vehicle in transport 10 Parked motor vehicle 11 Train 12 Pedalcycle 13 Animal 14 Fixed object 15 Other object* 16 Other* (non-collision) (* Describe in Explanation Section)		<b>1st</b> <b>2nd</b> <b>3rd</b> <b>4th</b>	
<b>COPY FROM PLACARD:</b> 4-digit identification number from diamond/orange panel 1 or 2-digit number from bottom of diamond:  -OR- <b>NAME OF HAZ MAT CLASS:</b>		<b>APPARENT DRIVER CONDITION</b> 1 Appeared Normal 2 Had been drinking 3 Illegal drug use 4 Sick 5 Fatigue 6 Asleep 7 Medication 8 Unknown			
<b>WAS HAZARDOUS CARGO RELEASED FROM VEHICLE?</b> (Do not count fuel from fuel tank) 1 Yes 2 No					

DMV USE ONLY

EXPLANATION:

OFFICER'S RANK AND NAME

BADGE NUMBER

DATE OF REPORT

94

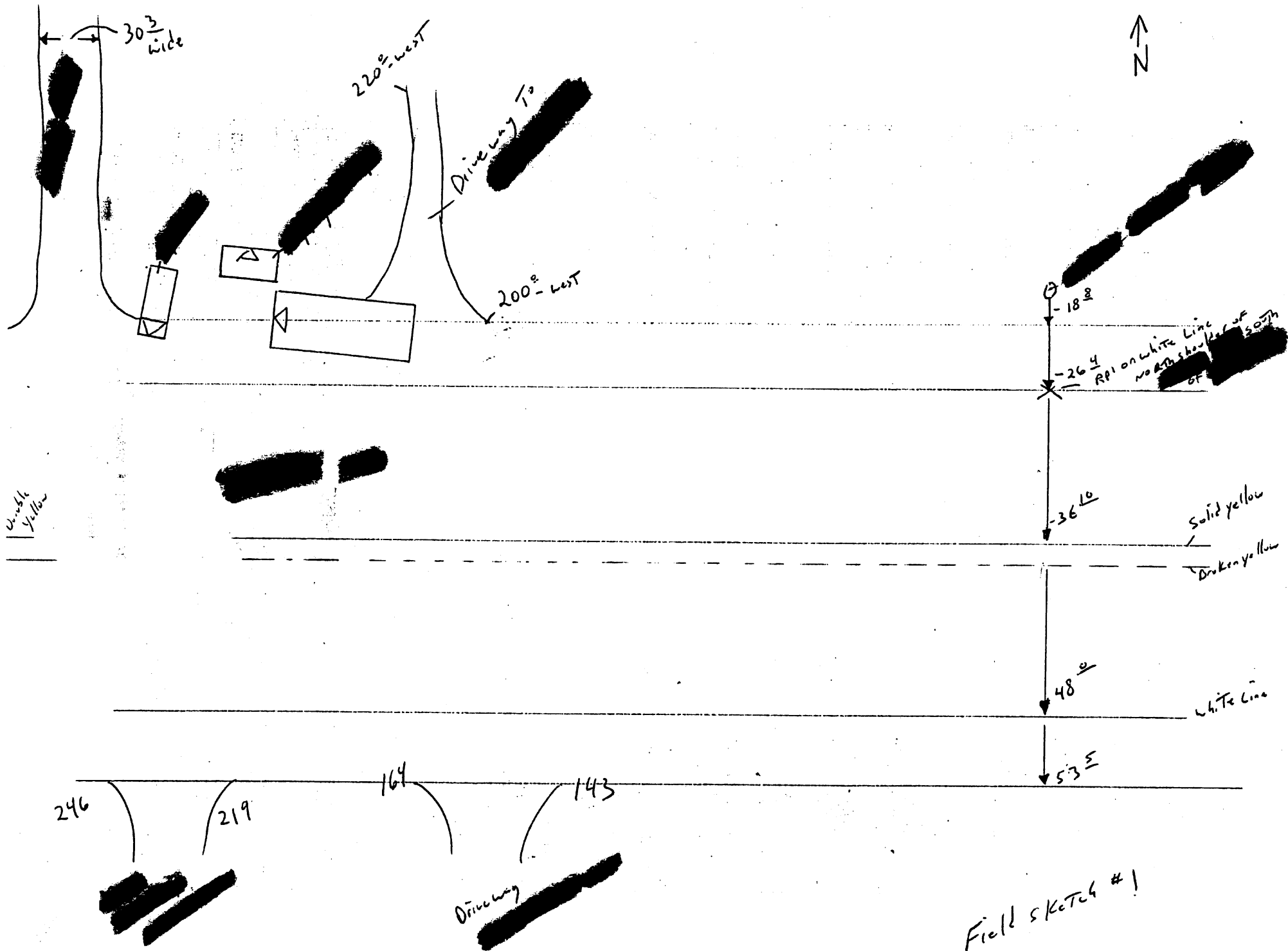
## TOWN OF [REDACTED] POLICE DEPARTMENT-TRAFFIC ACCIDENT MEASUREMENTS

ACCIDENT TYPE MV - FATAL-5	ACCIDENT DATE [REDACTED]	COMPLAINT NUMBER [REDACTED]
LOCATION: [REDACTED] + [REDACTED]		FIELD SKETCH DRAWN BY: [REDACTED]
MEASUREMENTS TAKEN BY: [REDACTED]		

## COORDINATE MEASUREMENT CHART

Page number 1 of 6.

	NORTH	SOUTH	EAST	WEST	DESCRIPTION
1		26 <sup>4</sup>			R. P. 1 - Semi Tang. Point on white line North shoulder of [REDACTED] of [REDACTED] # [REDACTED]
2		1		88 <sup>11</sup>	START OF SKID FROM Tr 1. P.S. R.R. IN Pulled by [REDACTED]
3		5 <sup>8</sup>		88 <sup>11</sup>	START OF SKID FROM Tr 1. D.S. R.R. IN Pulled by [REDACTED]
4		6 <sup>10</sup>		91	START OF SKID FROM Tr 1. D.S. R.R. OUT Pulled by [REDACTED]
5		0		93 <sup>9</sup>	START OF SKID FROM Tr 1. P.S. R.R. OUT pulled by [REDACTED]
6		6 <sup>5</sup>		126 <sup>6</sup>	START OF SKID FROM Tr 1. D.S. FR. OUT pulled by [REDACTED]
7		5 <sup>3</sup>		131 <sup>6</sup>	START OF SKID FROM Tr 1. D.S. FR. IN pulled by [REDACTED]
8		5		133 <sup>2</sup>	START OF SKID FROM Tr 1. PS FR IN pulled by [REDACTED]
9	9			133 <sup>2</sup>	START OF SKID FROM Tr 1. D.S. FR. OUT Pulled by [REDACTED]
10		9		168 <sup>8</sup>	Gauge Mark - Indentation
11		3 <sup>5</sup>		170 <sup>5</sup>	START OF Gauge mark - scrape #1
DATE MEASUREMENTS TAKEN: [REDACTED] 94- Transc. onto this form from originals on [REDACTED] 94 +					



Field sketch #1

TOWN OF [REDACTED] POLICE DEPARTMENT-TRAFFIC ACCIDENT MEASUREMENTS

ACCIDENT TYPE MV-FATAL-5	ACCIDENT DATE [REDACTED] 94	COMPLAINT NUMBER [REDACTED]
LOCATION: [REDACTED] + [REDACTED]		FIELD SKETCH DRAWN BY: [REDACTED]
MEASUREMENTS TAKEN BY: [REDACTED] + [REDACTED]		

COORDINATE MEASUREMENT CHART

Page number 2 of 6.

	NORTH	SOUTH	EAST	WEST	DESCRIPTION
12 <sub>1</sub>		3 <sup>0</sup>		171 <sup>2</sup>	END OF Gauge Mark - scrape - #1
13 <sub>2</sub>		2 <sup>4</sup>		170 <sup>2</sup>	START OF Gauge Mark - scrape #2
14 <sub>2</sub>		2 <sup>0</sup>		172 <sup>9</sup>	END OF Gauge Mark scrape #2
15		2		168 <sup>9</sup>	POINT OF IMPACT
16	4 <sup>2</sup>			217 <sup>7</sup>	Final Rest For [REDACTED] Pulled by [REDACTED] P.S. R.R.
17	5 <sup>0</sup>			221 <sup>5</sup>	Final Rest For Trl [REDACTED] Pulled by [REDACTED] P.S. F.R.
18		4 <sup>0</sup>		219 <sup>4</sup>	Final Rest For Trl [REDACTED] Pulled by [REDACTED] D.S. R.R.
19		3 <sup>0</sup>		223 <sup>2</sup>	Final Rest For Trl [REDACTED] Pulled by [REDACTED]
20	5 <sup>10</sup>			250 <sup>2</sup>	Final Rest For [REDACTED] (Rear set of 8 tires) P.S. R.F.
21	10 <sup>0</sup>			250 <sup>2</sup>	Final rest For [REDACTED] (Rear set of 8 tires) P.S. F.F.
22	6 <sup>0</sup>			254 <sup>0</sup>	Final Rest For [REDACTED] (Rear set of 8 tires) P.S. R.F.
DATE MEASUREMENTS TAKEN: 11/94 Trans. onto this form from original on 11/94-67					

outside  
tires  
only



TOWN OF [REDACTED] POLICE DEPARTMENT-TRAFFIC ACCIDENT MEASUREMENTS

ACCIDENT TYPE MV-FATAL-5	ACCIDENT DATE [REDACTED] 94	COMPLAINT NUMBER [REDACTED]
LOCATION: [REDACTED] + [REDACTED]		FIELD SKETCH DRAWN BY: [REDACTED]
MEASUREMENTS TAKEN BY: [REDACTED]		

COORDINATE MEASUREMENT CHART

Page number 3 of 6.

outside  
Tire only

	NORTH	SOUTH	EAST	WEST	DESCRIPTION
23	10 <sup>6</sup>			259 <sup>0</sup>	Final Rest For [REDACTED] (Rear set of 8 tires) D.S.F.F.
24	27 <sup>0</sup>			250 <sup>2</sup>	Final Rest For [REDACTED] Passenger side Tire
25	27 <sup>0</sup>			259 <sup>0</sup>	Final Rest For [REDACTED] Drivers side Tire
26	14 <sup>0</sup>			309 <sup>0</sup>	Final rest For [REDACTED] F.P.
27	21			305 <sup>6</sup>	Final rest For [REDACTED] R.P.
28	10 <sup>9</sup>			303 <sup>10</sup>	Final rest For [REDACTED] D.F.
29	18 <sup>3</sup>			300	Final rest For [REDACTED] D.R.
30				336 <sup>7</sup>	EAST shoulder of [REDACTED]

DATE MEASUREMENTS TAKEN: [REDACTED] / 94

Transc. only This Form From  
originals [REDACTED] 94 - 67

## TOWN OF [REDACTED] POLICE DEPARTMENT-TRAFFIC ACCIDENT MEASUREMENTS

ACCIDENT TYPE <u>MU-FATAL-5</u>	ACCIDENT DATE <u>[REDACTED]/94</u>	COMPLAINT NUMBER <u>[REDACTED]</u>
LOCATION: <u>[REDACTED] &amp; [REDACTED]</u>		FIELD SKETCH DRAWN BY: <u>[REDACTED]</u>
MEASUREMENTS TAKEN BY: <u>[REDACTED]</u>		

COORDINATE MEASUREMENT CHART

Page number 4 of 6.

	NORTH	SOUTH	EAST	WEST	DESCRIPTION
A				300°	CORNER OF [REDACTED] & [REDACTED] NE/CORNER - START
B				336°	CORNER OF [REDACTED] & [REDACTED] NE/CORNER - END
C				392°	CORNER OF [REDACTED] & [REDACTED] NW/CORNER - START
D				36°	CORNER OF [REDACTED] & [REDACTED] NW/CORNER - END
E	110°				SOUTH EDGE OF Driveway For sealing Devices - Driveway 1
F	127°				NORTH EDGE OF Driveway For sealing Devices - Driveway 1
G					SOUTH EDGE OF Driveway Parking area - Driveway 2
G <sup>1</sup>	207°			73°	N/W corner of Island area From center of [REDACTED]
H	227°			53°	S/E corner of Island in parking area
H <sub>1</sub>	227°			73°	S/W corner of Island in parking area
H <sub>2</sub>	242°			73°	N/W corner of Island in parking area.
DATE MEASUREMENTS TAKEN: <u>[REDACTED]/94</u>					

## TOWN OF [REDACTED] POLICE DEPARTMENT-TRAFFIC ACCIDENT MEASUREMENTS

ACCIDENT TYPE MV-Fatal-5	ACCIDENT DATE [REDACTED]/94	COMPLAINT NUMBER [REDACTED]
LOCATION: [REDACTED] + WARD		FIELD SKETCH DRAWN BY: [REDACTED]
MEASUREMENTS TAKEN BY: [REDACTED] Asst'd by [REDACTED]		

COORDINATE MEASUREMENT CHART

Page number 5 of 6.

	NORTH	SOUTH	EAST	WEST	DESCRIPTION
H3	242°			54°	N/E CORNER OF Island in parking lot
I	119°				S/E CORNER OF Building A
J	207°				N/E CORNER OF Building A
K	244°				S/E CORNER OF Building B
L	347°			144° From CENTER	ENTRANCE OF Building B WITH Ashtray.
M					[REDACTED] Pole # [REDACTED]
				351°	CENTER OF [REDACTED]
DATE MEASUREMENTS TAKEN: [REDACTED]/94					

See reverse - Rough Field sketch # 2 From P. 5 + P. 6

TOWN OF [REDACTED] POLICE DEPARTMENT-TRAFFIC ACCIDENT MEASUREMENTS

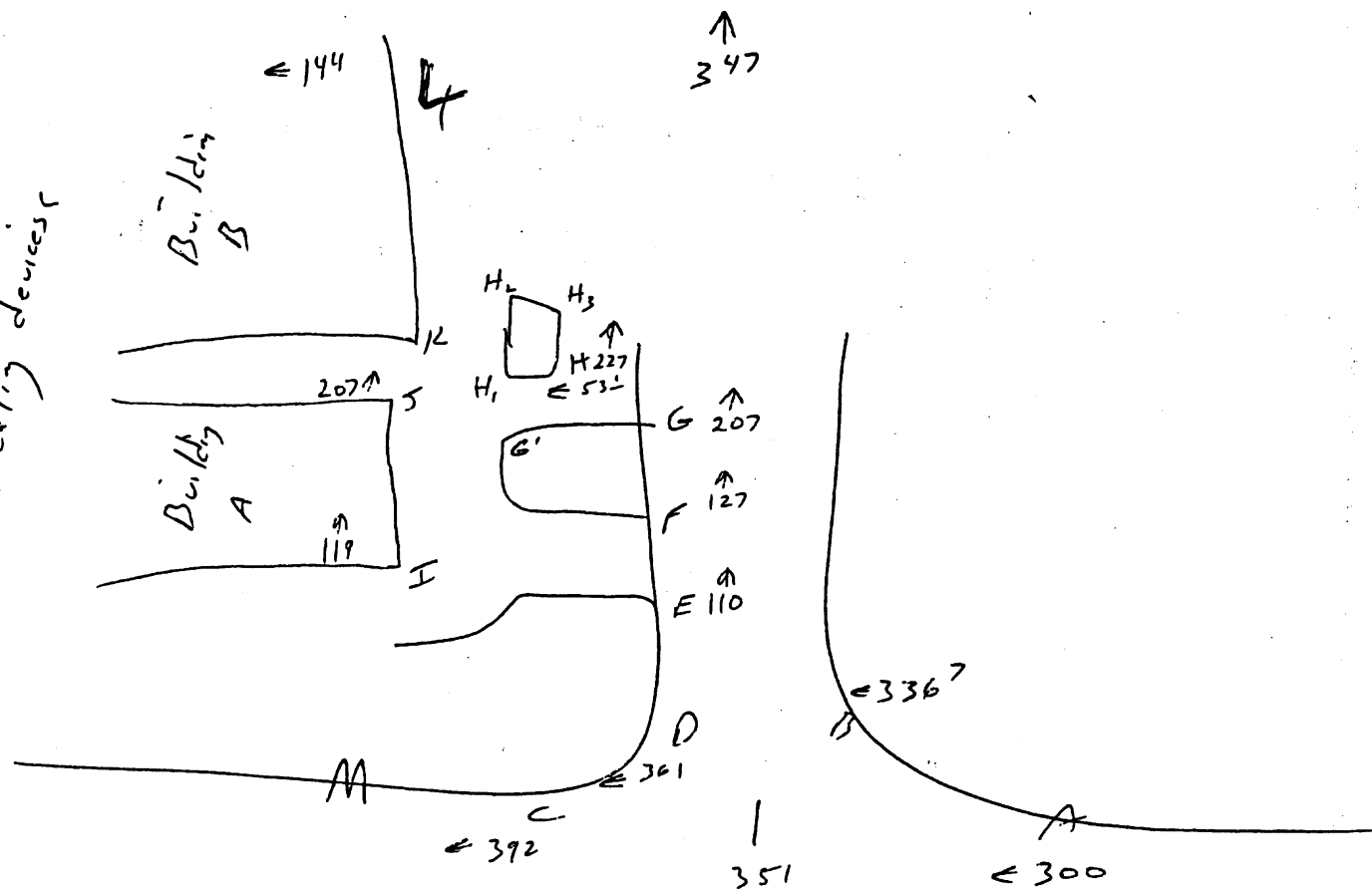
ACCIDENT TYPE	ACCIDENT DATE	COMPLAINT NUMBER
LOCATION:		FIELD SKETCH DRAWN BY:
MEASUREMENTS TAKEN BY:		

COORDINATE MEASUREMENT CHART

Page number 6 of 6.

	NORTH	SOUTH	EAST	WEST	DESCRIPTION
DATE MEASUREMENTS TAKEN:					

## Sealing devices



## POLICE REPORT

1. OFFENSE / OCCURRENCE (LCD, OFNS CODE)

## FATAL MOTOR VEHICLE ACCIDENT

ATTEMPT (ATT)

2. MRD/LOC

3. COMPLAINT NUMBER (CNO)

E V E N T	4. DATE & TIME OCCURRED (DTO, TMO) [REDACTED]/94 1405 HOURS		5. DAY OF WEEK MON	6. DATE & TIME REPORTED (DTR, TMR) [REDACTED] 1405 HOURS		7. TRACT	8. BLOCK (GTB)
	9. PLACE OF OCCURRENCE (ADO, MUN) [REDACTED] & [REDACTED]				10. TYPE OF PREMISES (PRM, SUB) PUBLIC HIGHWAY		
V I C T I M	11. LAST NAME (NAM) [REDACTED]		12. FIRST NAME [REDACTED]		13. INIT. [REDACTED]	14. JR/SR [REDACTED]	15. RACE (RAC) W
	16. SEX M	17. DOB [REDACTED]		AGE		18. APT. NO. [REDACTED]	
R E P O R T E D	19. STREET NO. [REDACTED]		20. STREET NAME (ADR) [REDACTED]		21. CITY, TOWN OR VILLAGE (CIT) [REDACTED]		22. STATE [REDACTED]
	23. ZIP [REDACTED]		24. RESIDENCE PHONE (HPH) [REDACTED]		25. BUSINESS PHONE (BPH) [REDACTED]		
S U B J E C T	26. OCCUPATION (OCC) [REDACTED]		27. SOCIAL SECURITY (SOC) [REDACTED]		28. NATURE & EXTENT OF INJURIES (INJ) [REDACTED]		28A. RELATIONSHIP (REL) [REDACTED]
	29. LAST NAME (NAM) [REDACTED]		30. FIRST NAME [REDACTED]		31. INIT. [REDACTED]	32. JR/SR [REDACTED]	33. RACE (RAC) [REDACTED]
V E H I C L E	34. SEX [REDACTED]		35. DOB [REDACTED]		AGE		36. APT. NO. [REDACTED]
	37. STREET NO. [REDACTED]		38. STREET NAME (ADR) [REDACTED]		39. CITY, TOWN (CIT) [REDACTED]		40. STATE [REDACTED]
41. ZIP [REDACTED]		42. TELEPHONE RES. (HPH, BPH) [REDACTED]		BUSINESS		43. SOCIAL SECURITY (SOC) [REDACTED]	
44. LAST NAME (NAM) [REDACTED]		45. FIRST NAME [REDACTED]		46. INIT. [REDACTED]	47. JR/SR [REDACTED]	48. RACE (RAC) [REDACTED]	49. SEX [REDACTED]
50. EST. AGE / D. O. B. [REDACTED]		51. SCARS/M (SMT) [REDACTED]		52. HGT [REDACTED]	53. WGT. [REDACTED]	54. HAIR (HA) [REDACTED]	55. EYE [REDACTED]
56. BUILD (BLD) [REDACTED]		57. COMPLEX (SKN) [REDACTED]		58. CLOTHING [REDACTED]		59. GLASSES (GLS) [REDACTED]	
60. JEWELRY (JWJ-A) [REDACTED]		61. OTHER CHARACTERISTICS (OTHER-CHAR) [REDACTED]		62. APT. NO. [REDACTED]		63. STREET NO. [REDACTED]	
64. STREET NAME (ADR) [REDACTED]		65. CITY, TOWN (CIT) [REDACTED]		66. STATE [REDACTED]		67. ZIP [REDACTED]	
68. TELEPHONE RES. (HPH, BPH) [REDACTED]		BUSINESS		69. SOCIAL SECURITY (SOC) [REDACTED]		70. HOW ATTACK (HAT) [REDACTED]	
71. MEANS OF ATTACK (MAT) [REDACTED]		72. YEAR & MAKE (VYR, VMA) 1993 OLDS		73. MODEL (VMO) PAS	74. BODY STYLE (VST) [REDACTED]	75. COLOR (VCO) TAN	76. LICENSE NO. (LIC) [REDACTED]
77. STATE (LJS) [REDACTED]		78. USED BY OR VIN. [REDACTED]		79. NARRATIVE: List and describe property taken in full detail; Reconstruct crime; indicate exactly where evidence was taken from; list persons with access to property; indicate sobriety of victim; list witnesses and suspects; describe police action taken, etc.			

FATAL MOTOR VEHICLE ACCIDENT REFER [REDACTED] & [REDACTED]

[REDACTED] was the first officer to arrive on location. [REDACTED] entered the rear of the back seat and cut off the seat belt from [REDACTED] DOB [REDACTED] and [REDACTED] DOB [REDACTED]. The children were removed from the vehicle by [REDACTED].

[REDACTED], [REDACTED] and [REDACTED] were employed by [REDACTED]. The above employees heard the accident and used their company fire extinguisher to put out the fire.

[REDACTED] responded to scene and administered first aid. [REDACTED] transported [REDACTED] to [REDACTED] where he was pronounced dead due to massive injuries. [REDACTED] was FLIGHTED to [REDACTED].

STATUS	80. 3 CLOSED <input type="checkbox"/> 1, 8 CLEARED BY ARREST <input type="checkbox"/>	81. FOLLOW-UP (FUP) YES <input type="checkbox"/> NO <input type="checkbox"/>	82. (REF-TO) 1 BY DET <input type="checkbox"/> 3 JUV <input type="checkbox"/> 2 PATROL <input type="checkbox"/> 4 RECORDS <input type="checkbox"/>	83. DATE & TIME OF REPORT [REDACTED]/94
	2 EXCEPTIONALLY CLEARED <input type="checkbox"/> 2 NOT CLEARED <input type="checkbox"/> 2 UNFOUNDED <input type="checkbox"/>			

84. REPORTING OFFICER (RPO) [REDACTED]	85. I.D. NO. (IDN) [REDACTED]	86. SUPPLEMENT REPORT (SUP-REQ) YES <input type="checkbox"/> NO <input type="checkbox"/>	87. SUPERVISOR (SPV) [REDACTED]	88. TELETYPE NUMBER, DATE & TIME (TEL) [REDACTED]
---	----------------------------------	---	------------------------------------	--

DEPARTMENT CENTRAL POLICE SERVICES.



BEST AVAILABLE

V I C T I M	89. LAST NAME (NAM)		90. FIRST NAME		91. INIT. 92. JR/SR		93. RACE (RAC)		94. SEX		95. DOB		AGE		96. APT. NO.	
	97. STREET NO.		98. STREET NAME (ADR)		99. CITY, TOWN OR VILLAGE (CIT)				100. STATE		101. ZIP		102. RESIDENCE PHONE (HPH)		103. BUSINESS PHONE (BPH)	
	104. OCCUPATION (OCC)		105. SOCIAL SECURITY (SOC)		106. NATURE & EXTENT OF INJURIES (INJ)										106A. RELATIONSHIP (REL)	
S U B J E C T	107. LAST NAME (NAM)		108. FIRST NAME		109. INIT. 110. JR/SR		111. RACE (RAC)		112. SEX		113. DOB		AGE			
	114. SCARS/M (SMT)		115. HGT		116. WGT		117. HAIR (HA)		118. EYE		119. BUILD (BLD)		120. COMPLEX (SKN)		121. CLOTHING	
	122. GLASSES (GLS)		123. JEWELRY (JW-T-A)		124. OTHER CHARACTERISTICS (OTHER-CHAR)										125. APT. NO.	
	126. STREET NO.		127. STREET NAME (ADR)		128. CITY, TOWN (CIT)		129. STATE		130. ZIP		131. TELEPHONE RES. (HPH, BPH)		BUSINESS		132. SOCIAL SECURITY (SOC)	

133.	QUANTITY (NOB)	DESCRIPTION OF PROPERTY (DES)	SERIAL NUMBER (SER)	ESTIMATED VALUE (VAL)	CODE (OBJ)
S T O L E N P R O P E R T Y					

34. NARRATIVE - CONTINUED

Hospital with massive injuries. [REDACTED] died at 1905 hours, due to massive injuries.

Patrol contacted [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

[REDACTED] stated she witnessed the accident. [REDACTED] stated the Oldsmobile was traveling east bound on [REDACTED] and the tractor trailer truck was traveling west bound on [REDACTED] [REDACTED] indicated the Oldsmobile went into west lane of traffic where the tractor trailer and car collided. [REDACTED] did not know why the oldsmobile crossed over into west bound lane of traffic. The witness states that she was shook up from the accident and requested to go home. [REDACTED] stated she will be available at a later time to come in and give a statement.

Patrol talked to other motorist and office workers at accident scene and unable locate any more witnesses. Patrol took photos' of accident scene. [REDACTED] [REDACTED] also took photos'.

[REDACTED] notified to respond to accident scene where patrol assisted same in accident investigation.

[REDACTED] of [REDACTED] [REDACTED] responded to scene and pronounced

## SUPPLEMENTARY POLICE REPORT

3. VICTIM OR COMPLAINANT [REDACTED]		1. MRD/LOCATION [REDACTED]		2. COMPLAINT [REDACTED]	
5. DATE & TIME OF REPORT [REDACTED] 1405 Hours		4. OFFENSE/OCCURRENCE Fatal Motor Vehicle Accident		7. TELETYPE NUMBER; DATE & TIME [REDACTED]	
6. INVESTIGATING OFFICERS ASSIGNED [REDACTED]					
8. NARRATIVE					

CONTINUED:

the following people dead who were passengers in the 1993 Olds, [REDACTED]  
 [REDACTED]: driver, [REDACTED] DOB [REDACTED], [REDACTED]  
 [REDACTED] front seat passenger in infant car seat, [REDACTED], DOB  
 [REDACTED], [REDACTED], and [REDACTED], rear passenger seat, DOB  
 [REDACTED], [REDACTED], [REDACTED] stated it appears the  
 victims died of massive injuries. The M.E.'s office transported the victims  
 to [REDACTED] [REDACTED] offered the assistance of their  
 tractor trailer unit. [REDACTED] responded to the scene. [REDACTED]  
 [REDACTED] checked the driver's log book. [REDACTED] DOB [REDACTED]  
 [REDACTED], [REDACTED] was the operator of a 1994 FRHT tractor [REDACTED]  
 which was hauling trailer [REDACTED]. [REDACTED] stated the log book was in  
 order. [REDACTED] impounded above tractor trailer and same was towed  
 to [REDACTED] for inspection by [REDACTED]. Patrol interviewed driver of  
 tractor trailer, [REDACTED] indicated he was traveling  
 eastbound on [REDACTED]. [REDACTED] indicated that the tan car crossed over  
 into his lane of traffic (westbound lane) where both vehicles collided. [REDACTED]  
 indicated that he tried to avoid the accident but was unable to do so. [REDACTED]  
 stated that he wasn't drinking prior to the accident. [REDACTED] indicated that  
 he was willing to take a alco-sensor test. The test was administered by [REDACTED]  
 [REDACTED] and the reading was .00 BAC. [REDACTED] performed  
 horizontal gaze test and Norman passed same.  
 [REDACTED] transportation manager for [REDACTED]  
 [REDACTED] telephone [REDACTED] responded to scene. [REDACTED]  
 indicated that [REDACTED] was a good employee and safe driver. [REDACTED] was  
 transported to the station by [REDACTED] [REDACTED] took a statement from

9. REPORTING OFFICER [REDACTED]		10. I. D. NUMBER [REDACTED]		11. SUPERVISOR [REDACTED]		12. PAGE NO. [REDACTED]	
------------------------------------	--	--------------------------------	--	------------------------------	--	----------------------------	--

DEPARTMENT CENTRAL POLICE SERVICES

TRIPPLICATE

13 STOLEN PROPERTY	QUANTITY	DESCRIPTION OF PROPERTY	SERIAL NUMBER	ESTIMATED VALUE	CODE
declined transportation to a hospital for his leg injury.					

## 14. NARRATIVE - CONTINUED.

stated he will transport to to get treatment for his injured leg. Photo copy was made of log book and placed in Case History. Various owner's manual papers, one child's glove, one pair of sunglasses and license were found at accident scene and locked up in evidence locker #1. removed bodies of driver, and rear passenger, and indicated it appeared that they were not wearing seat belts. vehicle was impounded and towed to rear of station. Vehicle will be inspected at a later date. Truck Supplemental report and accident report will be completed on by

# SUPPLEMENTARY POLICE REPORT

3. VICTIM OR COMPLAINANT

1. MRD/LOCATION

2. COMPLAINT NO.

4. OFFENSE/OCCURRENCE

FATAL MVA

5. DATE &amp; TIME OF REPORT

1405HRS

6. INVESTIGATING OFFICERS ASSIGNED

7. TELETYPE NUMBER, DATE &amp; TIME

8. NARRATIVE

0830hrs. [REDACTED] came to the station and gave a statement taken by this reporter. Also had [REDACTED] of [REDACTED] brought to station and had him give me a statement. They were the first on the scene.

1600hrs. [REDACTED] and [REDACTED] came to the station and gave me a statement as to what they saw. They are employed at [REDACTED]

1000hrs. [REDACTED] came to the station and gave me a second statement.

1048hrs. [REDACTED] semi driver came to station and also gave me a second statement.

1125hrs. [REDACTED] also came in for another statement.

9. REPORTING OFFICER

10. I. D. NUMBER

11. SUPERVISOR

12. PAGE NO.

DEPARTMENT CENTRAL POLICE SERVICES

TRIPPLICATE

BEST AVAILABLE

## SUPPLEMENTARY POLICE REPORT

1. MRD LOCATION

2. COMPLAINT NO.

3. VICTIM OR COMPLAINANT

4. OFFENSE/OCCURRENCE

FATAL MVA

5. DATE &amp; TIME OF REPORT

1405 HRS

6. INVESTIGATING OFFICERS ASSIGNED

7. TELETYPE NUMBER, DATE &amp; TIME

8. NARRATIVE

At the request of [REDACTED], I responded to the accident scene and took photographs and assisted investigating officers.

9. REPORTING OFFICER

10. I. D.

11. SUPERVISOR

12. PAGE NO.

DEPARTMENT CENTRAL POLICE SERVICES

TRIPLICATE

13	QUANTITY	DESCRIPTION OF PROPERTY	SERIAL NUMBER	ESTIMATED VALUE	CODE
STOLEN PROPERTY					

## 14. NARRATIVE - CONTINUED.

At 1905 Hrs. [REDACTED] called to state that [REDACTED] had expired. Witness [REDACTED] came to the station and provided a full statement as to what she had observed. [REDACTED] stated that she was directly behind victims vehicle and she doesn't think victim was trying to pass anyone or avoid a vehicle pulling out onto [REDACTED] in [REDACTED].

At 2315 hrs. I spoke with [REDACTED]. I inquired as to his company conducting a drug test on [REDACTED]. [REDACTED] stated a drug test will be sought from [REDACTED] on [REDACTED] 94.



# SUPPLEMENTARY POLICE REPORT

3. VICTIM OR COMPLAINANT		1. MRD/LOCATION	2. COMPLAINT NO.
5. DATE & TIME OF REPORT		4. OFFENSE/OCCURRENCE FATAL MVA	
6. INVESTIGATING OFFICER(S) ASSIGNED		7. TELETYPE NUMBER, DATE & TIME	

8. NARRATIVE  
I was called to the scene of a multiple MVA with fatalities at approximately 1415 hrs. Upon arrival I was briefed by [REDACTED] regarding what had transpired. Investigation was being conducted by [REDACTED]. Myself and [REDACTED] assisted. Accident reports and police report is being handled by [REDACTED]. Accident scene measurements and diagram will be done by myself. [REDACTED] and [REDACTED] assisted with measurements. [REDACTED] and [REDACTED] also assisted. [REDACTED] will conduct mechanical safety inspection of [REDACTED]. [REDACTED] will conduct inspection on [REDACTED] during dayshift and will respond to this department with his findings. Tractor trailer was towed to by [REDACTED] for impoundment by request of [REDACTED]. Three pages of traffic accident measurements were taken and a rough field sketch is on back of page 1. Diagram will be completed at a later date. [REDACTED] was towed by [REDACTED] to the rear of the station. Photo's of scene were taken by [REDACTED] and [REDACTED] conducted interviews with area businesses. No eyewitnesses were found. See Officer [REDACTED] supplement report.

ATTENTION [REDACTED] could you have someone follow up on the note of a [REDACTED] truck leaving the area of the accident as eluded to on [REDACTED] report. Driver [REDACTED] was interviewed by [REDACTED] after being evaluated at the scene by me. Field sobriety tests showed no signs of alcoholic beverage consumption along with a .00 BAC Alco sensor reading. [REDACTED] obtained a deposition from [REDACTED] at the station. I was able to contact [REDACTED] after clearing the accident scene. [REDACTED] stated they would keep us informed of Lukes status. [REDACTED] hospital stated victims mother couldn't provide any information as to where victims were going.

9. REPORTING OFFICER	10. NUMBER	11. SUPERVISOR	12. PAGE NO.
----------------------	------------	----------------	--------------

DEPARTMENT CENTRAL POLICE SERVICES

# SUPPLEMENTARY POLICE REPORT

1. MRD/LOCATION

2. COMPLAINT NO.

3. NICKNAME OR COMP

4. OFFENSE OCCURRENCE

5. DATE &amp; TIME OF REPORT

1405 HRS.

6. INVESTIGATING OFFICERS ASSIGNED

OLENSY

7. TELETYPE NUMBER, DATE &amp; TIME

8. NICKNAME

@ 1745 hrs.

telephoned headquarters

to inquire about giving a statement as a witness to the accident.

had telephoned the . this AM and spoke to

called to ask when he could speak to someone. Arrangements were made for him

to respond to our station on @ 0830 Hrs.

When asked why he did not come forward at the scene, he stated he was to upset

to speak to anyone.

9. REPORTING OFFICER

10. NUMBER

11. SUPERVISOR

12. PAGE NO.

DEPARTMENT CENTRAL POLICE SERVICES

## SUPPLEMENTARY POLICE REPORT

1. MRD/LOCATION

2. NO.

3. VICTIM/COMPLAINANT

4. OFFENSE/OCCURRENCE

5. DATE &amp; TIME OF REPORT

8 3:30 PM

6. INVESTIGATING OFFICERS ASSIGNED

7. TELETYPE NUMBER, DATE &amp; TIME

8. NARRATIVE

██████████ barracks notified same by phone and indicated he had the name of a witness. ██████████ Ave., ██████████ Telephone ██████████, maintenance man, for Sealing devices. (work ██████████) He told the trooper that he witnessed the accident. Patrol was unable to contact new witness and conduct a investigation at accident scene, in order to locate any more witnesses. Captain ██████████ notified and will follow up on same on ██████████ 94. Trooper ██████████ responded to station and he stated that there were no mechanical defects on the tractor trailer, except what was caused as a result of the accident. Trooper ██████████ will finish up his report and drop same off at the station. Trooper ██████████ stated the width of the tractor was 45 Ft. and length of trailer was 96 Ft. Vehicle accident report and ██████████ completed.

9. REPORTING OFFICER

NUMBER

11. SUPERVISOR

12. PAGE NO.

DEPARTMENT CENTRAL POLICE SERVICES

## SUPPLEMENTARY POLICE REPORT

1. MRD/LOCATION

2. NO.

3. DATE OF REPORT

4. OFFENSE OCCURRENCE

5. TIME OF REPORT 94 8 1000 AM.

6. NUMBER OF OFFICERS ASSIGNED

7. TELETYPE NUMBER, DATE &amp; TIME

8. NARRATIVE

Patrol contacted [REDACTED], Telephone [REDACTED] supervisor from [REDACTED]. [REDACTED] stated [REDACTED] was the employer making the dumpster pick up at [REDACTED] Ave. at the time of the accident. [REDACTED] stated that [REDACTED] told him that he witnessed the accident and the car was on fire and to call the police. [REDACTED] was asked why [REDACTED] did not stay at accident scene to talk to the police and [REDACTED] had no reply. [REDACTED] resides at [REDACTED], [REDACTED] Telephone [REDACTED] indicated that [REDACTED] is currently working and he will contact him and have him come to our station to be interviewed. At 10:45 AM [REDACTED] called the station. [REDACTED] indicated that he jus picked up a load of garbage at [REDACTED] Ave. [REDACTED] stated he drove his truck to the entrance to [REDACTED] Ave. and was waiting to make a right turn onto [REDACTED] Ave. [REDACTED] indicated his next pick up was at the [REDACTED] Corrections Facility. [REDACTED] indicated that he saw the truck strike the car and he was under the impression the car came from [REDACTED] Road. At this time I requested that [REDACTED] come down to the station and give a statement. [REDACTED] stated that when he is done with work at approximately 5:30 PM. he will respond to our station and give a statement.

Det. [REDACTED] took a statement from [REDACTED] at 1240 Hrs., [REDACTED] 94.

9. REPORTING OFFICER

10. I. D. NUMBER

11. SUPERVISOR

12. PAGE NO.

DEPARTMENT CENTRAL POLICE SERVICES

TRIPPLICATE

BEST AVAILABLE

## SUPPLEMENTARY POLICE REPORT

1. MRD [REDACTED] ON

2. [REDACTED] NO.

3. VICTIM OR COMPLAINANT

4. OFFENSE OR OCCURRENCE  
Fatal MVA

5. DATE &amp; TIME OF REPORT

6. INVESTIGATING OFFICER ASSIGNED  
Off. [REDACTED]

7. TELETYPE NUMBER, DATE &amp; TIME

8. NARRATIVE  
[REDACTED] @ 1400

Interviewed and took Statement from [REDACTED] driver [REDACTED] as requested by Officer [REDACTED]. Statement was witnessed by [REDACTED] of [REDACTED]. In essence [REDACTED] stated he was leaving the [REDACTED] Company on [REDACTED] after picking-up trash there. Before he was able to exit the driveway he had to wait for oncoming traffic in both directions. As he was looking at westbound traffic, he heard the collision between the vehicles. After seeing the collision he contacted his dispatch via radio to report the accident. [REDACTED] then left the area to continue his regular route as he had seen that help had begun to arrive, and thought he would be of no use to the investigation because he did not actually see the impact.

Statement was reviewed by Officer [REDACTED] and referred to the Case History.

9. REPORTING OFFICER

[REDACTED] NUMBER

11. SUPERVISOR

12. PAGE NO.

DEPARTMENT CENTRAL POLICE SERVICES

TRIPPLICATE

BEST AVAILABLE

## SUPPLEMENTARY POLICE REPORT

1. MRD/L [REDACTED] ON

2. CO [REDACTED]

3. VICTIM OR COMPLAINANT

4. OFFENSE/OCCURRENCE

FATAL ACCIDENT

5. DATE &amp; TIME OF REPORT

[REDACTED]/94 1900 hours

6. INVESTIGATING OFFICERS ASSIGNED

7. TELETYPE NUMBER, DATE &amp; TIME

8. NARRATIVE

Responded to scene of Fatal Accident on [REDACTED] Avenue. Checked the following businesses for anyone who might have witnessed the accident. Spoke with [REDACTED] of [REDACTED], INC. who reports none of his employee's saw the accident. [REDACTED] of [REDACTED] & [REDACTED] also stated none of their employees witnessed the accident. Patrol also spoke with [REDACTED] & [REDACTED] of [REDACTED]. They stated they didn't see the accident but did hear it. They also informed me that minutes prior to the accident a [REDACTED] garbage truck had emptied their dumpster and was backing out onto [REDACTED] Ave. Upon hearing the crash, they went outside but the garbage truck was already gone. Patrol stayed at the scene and assisted [REDACTED] and Officer [REDACTED] with the accident investigation. Photo's taken of scene, film was turned over to Detective [REDACTED].

## CASE HISTORY [REDACTED]

9. REPORTING OFFICER

10. I. D. NUMBER

11. SUPERVISOR

12. PAGE NO.

DEPARTMENT CENTRAL POLICE SERVICES

TRIPLICATE



# SUPPLEMENTARY POLICE REPORT

3. VICTIM OR COMPLAINANT

1. MRD/NO. ON

2. OFFENSE NO.

4. OFFENSE OCCURRENCE  
Fatal MVA

5. DATE & TIME OF REPORT

@ 1:35

6. INVESTIGATING OFFICERS ASSIGNED

7. TELETYPE NUMBER, DATE & TIME

8. NARRATIVE

@ 2100

Took initial deposition from truck driver [REDACTED] two copies were obtained and placed in the case history.

Received film from Captain [REDACTED] and referred same to [REDACTED] for processing. prints were returned to the station to be marked by the Captain.

Received film from the camera in car [REDACTED] from Officer [REDACTED] this was referred to Det. [REDACTED].

9. REPORTING OFFICER

10. REPORT NUMBER

11. SUPERVISOR

12. PAGE NO.

DEPARTMENT CENTRAL POLICE SERVICES

TRIPPLICATE

# SUPPLEMENTARY POLICE REPORT

1. MRD/LOCATIO

2. NO.

3. VICTIM OR COMPLAINANT

4. OFFENSE/OCCURRENCE

FATAL MVA

5. DATE &amp; TIME OF REPORT

CASE HISTORY &amp; TIME

8. NARRATIVE

Upon arrival at scene of reported MVA found on the north side

shoulder of Ave. at Road. Vehicle was heavily damaged. Observed a young child pinned between the rear door and door post on the passenger side of the vehicle, partially ejected. Child showed no signs of life. Next the driver was checked, an adult white male, he too showed no sign of life.

In the back seat 2 additional children were seated. Both were checked and showed signs of life. Both seat belts were cut and the center child was removed from the vehicle. The child seated behind the driver was also removed from the vehicle. Both were administered to and transported to area hospitals.

9. REPORTING OFFICER

10. D. NUMBER

11.

12. PAGE NO.

DEPARTMENT 45 CENTRAL POLICE SERVICES

TRIPPLICATE

# SUPPORTING DEPOSITION

(SECTION [REDACTED])

TOWN COURT  
STATE OF [REDACTED]  
COUNTY OF [REDACTED]  
TOWN OF [REDACTED]

THE PEOPLE OF THE STATE OF [REDACTED]

-VS-

(defendant)

I, [REDACTED] as and for a Supporting Deposition in connection with an information filed, or to be filed with this Court against the above named defendant, do hereby make the following allegations of fact:

I am employed by [REDACTED] News Press of [REDACTED] in [REDACTED] and am 36 years old. On Monday [REDACTED] 1994 at about 2:00 PM I was involved in an automobile accident. I was heading westbound on [REDACTED] Avenue near [REDACTED] Road. A vehicle was coming eastbound in my lane trying to pass another car that was also eastbound. I can't recall a make or a type of vehicle. I know it was brown. Everything happened so fast. I was driving a company tractor trailer at about 45 miles per hour and the vehicle just came at me. I tried to wrench my wheel to the right to go into the ditch, and tried to stop my rig. Before I was able to get the truck over the vehicle hit the cab of my truck head-on. There was nothing I could do. I tried to get my truck out of his way but couldn't do it fast enough, it seemed like he was going awful fast. I couldn't judge his speed because he was just there and I tried to get out of his way.

There was nothing I could do. [REDACTED]

SUBSCRIBED AND VERIFIED BY [REDACTED]

NOTE: FALSE STATEMENT MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR TO SECTION [REDACTED] OF THE [REDACTED]

# STATEMENT

DEPARTMENT OF POLICE

TOWN OF

I, [REDACTED] having been advised of my rights by Capt. [REDACTED] understand that I have a right to remain silent; that anything I might tell him may be used against me in a Court of law; that I have a right to have an attorney present with me during any questioning now or in the future, and if I cannot afford my own attorney, one will be furnished to me and that I can stop answering his questions at any time that I desire. I am willing to make the following statement of my own free will without anyone having promised me anything or offered me any hope of reward, favor or promise of leniency.

Signed [REDACTED]

Witness [REDACTED]

This statement is taken at [REDACTED] Town Police Headquarters, [REDACTED] Road, [REDACTED] at 10:48 on the [REDACTED] day of [REDACTED] 1994 by Interrogating Officer: Capt. [REDACTED]

1. Q. What is your full name? A. [REDACTED]
2. Q. Where do you live? A. [REDACTED] St. [REDACTED]
3. Q. How old are you and what is your date of birth? A. [REDACTED]
4. Q. Are you employed or go to school? A. Employed
5. Q. If so, where? A. [REDACTED] News press
6. Q. Are you single or married? A. Married
7. Q. You stated that the car that hit you swerved into your lane. Do you have any idea how close this car was to you when he swerved. A. I saw a car coming towards me eastbound and just when it got next to me the car behind him darted into my path. It was just a few feet. I tried to wrench my truck to the right but before I could get it turned we connected.
8. Q. Could the car that hit you have been avoiding a vehicle pulling out of a drive to your left. A. I never seen a driveway to the left, an animal a vehicle or anything.
9. Q. Did you notice as you were approaching the accident scene, a garbage truck leaving a driveway to the left. A. No.
10. Q. What action did you take immediately after the crash. A. I was stunned at first and then called for help on my CB channel 9. No one responded. Someone came to the truck and asked if I had a fire extinguisher. I gave him the one I had in the cab. I did not get out of the truck right away.
11. Q. Are you positive the car was trying to pass a vehicle or could the car you seen have been right behind the car that hit you. A. As far as I know he was passing a car.
12. Q. Is there anything else you would like to add. A. No.

DATE [REDACTED] 94

SIGNATURE [REDACTED]

NOTE: FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO [REDACTED] OF THE PENAL LAW

# STATEMENT

DEPARTMENT OF POLICE

TOWN OF

I, [REDACTED] having been advised of my rights by Capt. [REDACTED] understand that I have a right to remain silent; that anything I might tell him may be used against me in a Court of law; that I have a right to have an attorney present with me during any questioning now or in the future, and if I cannot afford my own attorney, one will be furnished to me and that I can stop answering his questions at any time that I desire. I am willing to make the following statement of my own free will without anyone having promised me anything or offered me any hope of reward, favor or promise of leniency.

Signed [REDACTED]

Witness [REDACTED]

This statement is taken at [REDACTED] Town Police Headquarters, [REDACTED] Road, [REDACTED] at 18:08 on the [REDACTED] day of [REDACTED] 1994 by Interrogating Officer: Capt. [REDACTED]

1. Q. What is your full name? A. [REDACTED]
2. Q. Where do you live? A. [REDACTED]
3. Q. How old are you and what is your date of birth? A. [REDACTED]
4. Q. Are you employed or go to school? A. Employed
5. Q. If so, where? A. [REDACTED] Ave. [REDACTED]
6. Q. Are you single or married? A. Married
7. Q. Were you at an accident scene on [REDACTED] Ave. on [REDACTED]-94 at about 2:05PM  
A. Yes
8. Q. Tell me what you saw and/or did at that scene. A. I was working in the rear shop area at [REDACTED] Ave. when the secretary [REDACTED] came into shop yelling to get the fire extinguishers as there was an accident in front of the building and the car was on fire. I grabbed an extinguisher and along with [REDACTED] ran outside up the driveway and across the street to where there was a car which was burning in the engine compartment area. I sprayed the extinguisher into the engine until it was empty, [REDACTED] was on my left spraying his extinguisher and someone else was on my right also spraying an extinguisher. After we put out the fire I looked into the car on the passenger side and saw what was a young boy partially out the window with a lot of blood on his head and arm. I also saw the driver who appeared dead at this time. I then looked but couldn't see anyone else in the car.
9. Q. Did you check on the condition of the truck driver. A. I thought it was the truck driver who was wearing a blue jacket and possibly a white cap that was helping spray the car. I also noticed the truck door was open, so I didn't actually go look into the truck. I then went back across the street and stayed there during most of the rescue work being done.
10. Q. When you ran out of the driveway did you see the BFI garbage truck anywhere. A. No
11. Q. Did you know if the [REDACTED] truck was there making a pickup at your place of business.  
A. Yes, because I heard it dumping earlier. [REDACTED] had mentioned it to me as we had more garbage that had to be taken out later. I never actually seen the truck, just heard same.
12. Q. Did you hear the accident crash when it happened. A. No
13. Q. Is it possible that the garbage truck was still in your driveway when you were running out there. A. Yes, because I wasn't thinking about anything but getting to the car on fire.
14. Q. Did you notice any other vehicles when you ran out. A. Just as I was going to cross [REDACTED] I looked to my right and saw a car parked on the right shoulder of the road. I also saw the Semi when I was running to the car.
15. Q. Do you know whose car was parked on the road to the right of the drive. A. Later [REDACTED]

on I talked to a girl who said the car was hers and she was driving behind the car that crashed. I asked her what happened and she said all of a sudden he swerved into the other lane as though he was avoiding something. I asked her if it looked like he was trying to pass someone and she said no there was no time as the oncoming truck was right there.

16. Q. Did this girl mention what he could have been avoiding and did she mention the garbage truck at all. A. No to both questions.

17. Q. Do you think the garbage truck had anything to do with the accident. A. I can't say it did because I never saw the truck as far as I can remember but after the incident [REDACTED] and I were talking about it wondering if the truck could have had anything to do with it, so we told an officer who was there that it was something the police should know. It was coincidental that the truck was there and leaving then.

18. Q. But once again you cannot say for sure if you saw the garbage truck at all. A. Right.

19. Q. Is there anything else you would like to add to this statement. A. No

DATE [REDACTED] 1994

SIGNATURE [REDACTED]

NOTE: FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO [REDACTED] OF THE PENAL LAW



# STATEMENT

DEPARTMENT OF POLICE  
TOWN OF

I, [REDACTED] having been advised of my rights by Capt. [REDACTED] understand that I have a right to remain silent; that anything I might tell him may be used against me in a Court of law; that I have a right to have an attorney present with me during any questioning now or in the future, and if I cannot afford my own attorney, one will be furnished to me and that I can stop answering his questions at any time that I desire. I am willing to make the following statement of my own free will without anyone having promised me anything or offered me any hope of reward, favor or promise of leniency.

Signed [REDACTED]

Witness [REDACTED]

This statement is taken at [REDACTED] Town Police Headquarters, [REDACTED] Road, [REDACTED] at 11:25 on the 17 day of [REDACTED] 1994 by Interrogating Officer: Capt. [REDACTED]

1. Q. What is your full name? A. [REDACTED]
2. Q. Where do you live? A. [REDACTED] Ave. [REDACTED]
3. Q. How old are you and what is your date of birth? A. [REDACTED]
4. Q. Are you employed or go to school? A. employed
5. Q. If so, where? A. [REDACTED]
6. Q. Are you single or married? A. Married.
7. Q. You stated you were pulling out of the driveway, not backing out is that correct.  
A. Yes, I turned around in the parking lot.
8. Q. Have you backed out in the past. A. No, I always turn around in the lot.
9. Q. You stated in your previous statement that you heard the crash to your left. How far left of where you were was the crash. A. About 15 yards to the left.
10. Q. After the crash did you notice any other vehicles pass in front of you. A. No.
11. Q. Did you notice anyone run out of the drive that you were in while you were in the truck after the crash. A. No.
12. Q. The person you reported seeing running from what you thought was sealing devices, was he coming from the old plant on the south side of [REDACTED] or the [REDACTED] on the North side of [REDACTED]. A. He was coming from the [REDACTED] Rd. side.
13. Q. There are reports that you had entered or almost entered the roadway of [REDACTED] Ave. from the driveway. Is that so. A. No, after I stopped by the mailbox I did not move at all.
14. Q. When you eventually did leave you went east on [REDACTED] did you notice any vehicles parked in your way, or did you have trouble getting on [REDACTED]. A. No there was nothing at all in the right lane.
15. Q. Did you see a female get out of a car after the crash and walk to where the car was.  
A. I believe I did see a woman get out of a car and walk towards but no up to the car. There were other people also.
16. Q. Did you see where this woman parked her car. A. To my left on the edge of the road as best I can remember.
17. Q. Do you know how long you were parked after the accident before you left. A. About 2 minutes.
18. Q. Where did the Semi end up after the crash in comparison to where you were. A. I believe the rear trailer tandems were in front of me with the rest of the truck to the left

19. Q. Is there any thing you would like to add. A. After I stopped to check traffic I did not move.

20. Q. Did you see people spraying fire extinguishers on the burning car. A. No. When I saw the guy approaching with the fire extinguisher and I heard sirens I then left.

21. Q. So you weren't there at the time the fire was being put out. A. No.

DATE

SIGNATURE

NOTE: FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO  
OF THE PENAL LAW

STATEMENT

DEPARTMENT OF POLICE  
TOWN OF

I, [REDACTED] am willing to make the following statement of my own free will without anyone having promised me anything or offered me any hope of reward, favor or promise of leniency.

I have been advised that any false statements made herein are punishable as a Class A Misdemeanor under [REDACTED] of the [REDACTED] Penal Law.

Signed [REDACTED]

Witness [REDACTED]

This statement is taken at [REDACTED] Town Police Headquarters, [REDACTED] Road, [REDACTED] at 1240 hrs. on the [REDACTED] day of [REDACTED] 1994 by Interrogating Officer: Detective [REDACTED]

1. Q. What is your full name? A. [REDACTED]
2. Q. Where do you live? A. [REDACTED] Avenue, [REDACTED], [REDACTED] phone [REDACTED]
3. Q. How old are you and what is your date of birth? A. [REDACTED]
4. Q. Are you employed or go to school? A. employed
5. Q. If so, where? A. [REDACTED] (above)
6. Q. Are you single or married? A. married
7. Q. [REDACTED] can you tell me about what you saw and did while you were on a pick-up at [REDACTED] on [REDACTED] Ave. on [REDACTED] at about 2:00 PM ?
- A. I did my pick-up at the company and backed into the parking lot to turn around. I pulled up to the mailbox and saw four cars approaching from my left (heading eastbound). I watched them approach maybe ten or fifteen seconds and I looked to my right to check traffic from that view. On my first look I knew I had to wait. I heard an impact just to my left. I thought the car that hit the semi had entered [REDACTED] from [REDACTED] Road. I called my dispatch and reported the accident and asked that the Police Department and an ambulance be sent. Dispatch called me and asked what Town I was in and I told them [REDACTED]. Within 20 or 30 seconds I saw flames come from the windshield area of the car. I called my dispatch back and told them to call the fire department. Maybe a minute had gone by and traffic had stopped and people were coming out of their cars to look or help. I saw a guy running with a fire extinguisher, I guess he may have been from [REDACTED]. I'm not exactly sure of the time because it was an intense few seconds. I could hear the sirens in the background, I saw other people there so I just turned right onto Walden and continued my route.
8. Q. Why didn't you stay to wait for the Police ?
- A. I don't have an answer. I could hear them and knew help was on the way so I left.
9. Q. Where did the accident occur in relation to where you were ?
- A. About twenty yards to the west of me on [REDACTED] Avenue.
10. Q. Where was your truck in relation to the shoulder of [REDACTED] Avenue ?
- A. I was in [REDACTED] parking driveway about 10 feet from the shoulder of the road. I could see the mailboxes for [REDACTED] by my left door by the latch are of the door.
11. Q. What type of truck do you drive ?
- A. A 1992 Peterbuilt cab-over model, It is equipped with a front loading system to pick-up a dumpster and dump them in the back.
12. Q. Was the pick-up system fully retracted when you approached [REDACTED] Avenue ?
- A. It was fully retracted and the P.T.O. was off and in a travelling mode. Everything was folded up and turned off.

DATE [REDACTED] SIGNATURE [REDACTED]

NOTE: FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO [REDACTED] OF THE PENAL LAW

page two of two pages statement of [REDACTED]  
taken [REDACTED] by Det. [REDACTED] complaint [REDACTED]

13. Q. Is your truck equipped with an automatic or standard transmission ?  
A. It is an automatic.
14. Q. How long do you think you were stopped waiting for traffic ?  
A. Perhaps twenty or thirty seconds minimum. I was off the road in the driveway and saw the cars coming. I knew I had to wait.
15. Q. Was there ever a time that you would have backed out of the driveway onto [REDACTED], or backed near the roadway ?  
A. No I turned around in there parking lot.
16. Q. How long have you been doing this particular run ?  
A. Since last [REDACTED] (1993)
17. Q. How long have you worked for [REDACTED] ?  
A. Two and 1/2 years
18. Q. Have you had any reportable accidents in that time ?  
A. No sir.
19. Q. Where did you work prior to [REDACTED] ?  
A. [REDACTED] in [REDACTED] as maintenance superintendent. I worked there about 3 years. I moved up here from [REDACTED] in 1987.
20. Q. Do you know if anyone from the business could see you on the pick-up ?  
A. I dumped their can from the east side of the building and went inside to see if they needed another pick-up, I had another ticket and I wanted to try to sell it to them. There was a lady and a gentleman inside the office, I don't know if anyone would have seen me leave.
21. Q. Is there anything you'd like to add to this statement ?  
A. Just that I had sat there and waited for the cars on both sides to pass. The time I was leaving to the time I radioed in the accident was about 2 to 2-1/2 minutes not moving. I knew it was a serious accident from the sound at first and then from seeing it. I guess I was stunned when I first saw it.  
I guess I left because I didn't really have anything to do with it. I called the dispatch and reported it. I didn't see the collision at all and didn't think I would be needed so I went on my way.
22. Q. I'm going to ask you to re-read this and sign where I indicate on both copies. Can you do this for me ?  
A. Yes.

DATE [REDACTED] 94

SIGNATURE [REDACTED]

NOTE: FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO [REDACTED] OF THE PENAL LAW.

witness: [REDACTED] inc. 94

# STATEMENT

DEPARTMENT OF POLICE

TOWN OF

I, [REDACTED] having been advised of my rights by Capt. [REDACTED] understand that I have a right to remain silent; that anything I might tell him may be used against me in a Court of law; that I have a right to have an attorney present with me during any questioning now or in the future, and if I cannot afford my own attorney, one will be furnished to me and that I can stop answering his questions at any time that I desire. I am willing to make the following statement of my own free will without anyone having promised me anything or offered me any hope of reward, favor or promise of leniency.

Signed [REDACTED]

Witness [REDACTED]

This statement is taken at [REDACTED] Police Headquarters, [REDACTED] Road, [REDACTED] at 10:07 on the [REDACTED] of [REDACTED] 1994 by Interrogating Officer: Capt. [REDACTED]

1. Q. What is your full name? A. [REDACTED]
2. Q. Where do you live? A. [REDACTED] Ave. [REDACTED]
3. Q. How old are you and what is your date of birth? A. [REDACTED]
4. Q. Are you employed or go to school? A. Both
5. Q. If so, where? A. [REDACTED] College and work at [REDACTED]
6. Q. Are you single or married? A. Single
7. Q. As you were travelling east on [REDACTED] just before the accident about how far behind the car that crashed were you. A. About 6 to 8 car lengths.
8. Q. In your normal driving before the accident did you notice the Semi that was westbound on [REDACTED] coming towards you. A. Yes.
9. Q. Did you notice any other vehicles either ahead of you and the crash car or westbound ahead of the Semi. A. No.
10. Q. Did the car cross the center of the roadway like he was going to pass a car or other vehicle. A. No.
11. Q. Describe what the action looked like when the driver crossed the road into the path of the semi. A. It was a very sharp swerve with no attempt to turn back. It was just a sharp turn and the car went way over to the other side of the road like there was no control. I can still see it.
12. Q. Could the driver have been swerving to avoid something in the road or something entering the road from the side. A. In my perception it did not look like that.
13. Q. As the crash took place what path or action did you take with your vehicle. A. I saw the car swerve and get hit and I veered to the right a little and slowed down and then stopped just east of the driveway there.
14. Q. As you were passing this accident that was on your left you say you veered to the right. Did you see any vehicles coming out of any driveway on your right. A. No.
15. Q. Did you see any vehicles ahead of you on Walden going eastbound after the car crashed. A. No.
16. Q. Did you see a Garbage truck in or at the roadway at the driveway where you stopped your car. A. No.
17. Q. Did you see a large truck or garbage truck any where near the crash scene. A. No, just the Semi involved in the accident. [REDACTED]

18. Q. Did you get out of your car when you stopped and if so what did you then do. A. Yes, I got out and ran back to directly across from the car on the opposite side of the road.

19. Q. Did you see anyone else there besides the crash victims. A. Yes. People came from the shop there and they ran across the street to the car and put out the fire and tried to get the doors open on the car. Some of the people from the shop stayed on the opposite side of the street near me. I also noticed a car stop with two men in it and the driver appeared to be on a cell phone. I remember this because they then wanted to leave and he waved for me to get out of the way. I assumed he called for help.

20. Q. As you walked pass the drive to the shop going towards the car did you see a garbage truck in the driveway. A. No.

21. Q. Did you see the truck driver from the semi at all. A. No, I never saw him at the car but a while later I saw him looking at the semi.

22. Q. Do you think the car that crashed was swerving to avoid a truck coming out of a driveway at the shop you say you parked near. A. No.

23. Q. Do you have any idea what caused the car to swerve. A. No.

24. Q. Is there anything else you want to add or state. A. No.

25. Q. When you were passing the accident as it was going on did you leave the roadway and drive on the shoulder of the road. A. I was on both and was on both when I stopped. I remember this because I wondered if my car was in the way as traffic was passing.

DATE [REDACTED] / 94

SIGNATURE [REDACTED]

NOTE: FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO [REDACTED] OF THE PENAL LAW



# STATEMENT

DEPARTMENT OF POLICE

TOWN OF

COMP.

CASE HIST.

I, [REDACTED] having been advised of my rights by Lt. [REDACTED] understand that I have a right to remain silent; that anything I might tell him may be used against me in a Court of law; that I have a right to have an attorney present with me during any questioning now or in the future, and if I cannot afford my own attorney, one will be furnished to me and that I can stop answering his questions at any time that I desire. I am willing to make the following statement of my own free will without anyone having promised me anything or offered me any hope of reward, favor or promise of leniency.

Signed X [REDACTED]

Witness [REDACTED]

This statement is taken at Lancaster Town Police Headquarters, [REDACTED] Road, Lancaster, New York at 7:47pm on the 14 day of March by Interrogating Officer: Lt. Trzewieczynski

1. Q. What is your full name? A. [REDACTED]
2. Q. Where do you live? A. [REDACTED] ave. [REDACTED]
3. Q. How old are you and what is your date of birth? A. [REDACTED]
4. Q. Are you employed or go to school? A. Both.
5. Q. If so, where? A. [REDACTED] and work [REDACTED]
6. Q. Are you single or married? A. Single.
7. Q. Can you tell me what happened this afternoon around 2:00pm?  
A. I was on my way home from [REDACTED] School. I am a intern there for the Jr. High School. I was on [REDACTED] ave and I approached the intersection of [REDACTED] and Pavement. I was going East on [REDACTED] ave. I came to a stop at that intersection behind a GM type vehicle. It was a light tan or camel in color.
8. Q. Do you remember if there were any vehicles in front of the car you just described?  
A. Yes, I think it was a red work type truck with ladders on it. The truck turned right onto Pavement road. I remember that because I deciding to go straight or turn right. I am pretty sure that there were no other vehicles in front the tan GM product. I was watching the kids in the back seat, so I am not 100% sure.
9. Q. Then what happened?  
A. As I was eastbound on [REDACTED] ave. behind the car that was involved in the accident, the car just swerved in to the opposite lane of traffic. The vehicle moved sharply in to the other lane, like there was a lack of control.
10. Q. Do you think the vehicle was trying to pass someone?  
A. NO. Definitely not. What ever happened it didn't look like it was a planned action, because the truck was too close.
11. Q. Did you see any vehicles pulling out on to [REDACTED] ave. from either a parking lot, street or side of the road?  
A. NO.
12. Q. Is there anything else you would like to state?  
A. The only other activity I observed was the arms moving around on the passenger side of the back seat. I did not see if the driver moved around or looked towards the movement in the back seat.  
In my judgement I don't think he was trying to swerve out the way of something because the truck was just too close for him to do that.

Please read the above statement and if it true and accurate to the best of you recollection please initial the top and bottom of the page and sign and date below.

Signature [REDACTED]

Date [REDACTED] 9-1 Time 8:28

# STATEMENT

DEPARTMENT OF POLICE

TOWN OF [REDACTED]

I, [REDACTED] having been advised of my rights by Capt. [REDACTED] understand that I have a right to remain silent; that anything I might tell him may be used against me in a Court of law; that I have a right to have an attorney present with me during any questioning now or in the future, and if I cannot afford my own attorney, one will be furnished to me and that I can stop answering his questions at any time that I desire. I am willing to make the following statement of my own free will without anyone having promised me anything or offered me any hope of reward, favor or promise of leniency.

Signed [REDACTED]

Witness [REDACTED]

This statement is taken at [REDACTED] Town Police Headquarters, [REDACTED] Road, [REDACTED] at 9:23 on the [REDACTED] day of [REDACTED] 1994 by Interrogating Officer: Capt. [REDACTED]

1. Q. What is your full name? A. [REDACTED]
2. Q. Where do you live? A. [REDACTED] Ave. [REDACTED]
3. Q. How old are you and what is your date of birth? A. [REDACTED]
4. Q. Are you employed or go to school? A. employed
5. Q. If so, where? A. [REDACTED] Ave. [REDACTED]
6. Q. Are you single or married? A. Married
7. Q. Did you witness an accident on [REDACTED] Ave. on [REDACTED] 1994 at about 2:05 PM.  
A. Yes
8. Q. Where were you at this time. A. Outside of sealing devices on the North side of Walden Ave. about half way back in the middle of the building.
9. Q. What did you see. A. I was outside on my 10 minute break when I saw the [REDACTED] garbage truck leave our parking lot and go across the street to [REDACTED] to pickup their dumpster garbage. I watched him dump the dumpster there and then watched him trying to turn around in their lot. After he turned around he proceeded forward out of the parking lot onto [REDACTED] Ave. he first stopped and then he started onto [REDACTED] Ave. I saw the car coming and swerve to avoid the truck and then hit the Semi head on. I then ran to the scene of the accident and saw inside the car and that the car was on fire. I didn't know what to do and looked up and saw our work van coming across the street. I yelled to [REDACTED] the operator of the van to get the fire extinguisher from the van. He stopped the van at the car and jumped out and extinguished the fire. While he was doing this I looked up as I seen papers flying around and noticed the garbage truck pulling away on [REDACTED] towards [REDACTED] Rd. I then ran around the car checking the people in the car. The only people we could see were the driver who appeared dead and the young boy in the front who seemed to move once but that was all. I then went back into [REDACTED] and was feeling quite sick. We did not know what to do we did not have any gloves and didn't want to touch anything.
10. Q. Are you positive that the garbage truck entered onto the roadway of [REDACTED] Ave. into the path of the car. Could you see that good from where you were.  
A. Yes to both questions. Its. a clear wide open shot.
11. Q. You were on the North side of [REDACTED] and the Garbage truck was on the south side coming towards you is that right. A. Yes.
12. Q. About how close to the Sealing Devices building were you standing when this happened. A. I was leaning up against the building near the ash tray which is attached to the building.
13. Q. You were there until you saw the crash. A. Yes [REDACTED]

continued [REDACTED]

page 2

14. Q. Did you notice if the car flipped over or just slid after the crash. A. It just spun 3 times in a circle.

15. Q. Is there anything else you think we should know or that you saw. A. No that was it.

16. Q. Does [REDACTED] work with you. A. He works for the same company but at the plant across the street for now.

DATE

[REDACTED] 1/94

SIGNATURE [REDACTED]

NOTE: FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO [REDACTED] OF THE PENAL LAW

# STATEMENT

DEPARTMENT OF POLICE

TOWN OF

I, [REDACTED] having been advised of my rights by Capt. [REDACTED] understand that I have a right to remain silent; that anything I might tell him may be used against me in a Court of law; that I have a right to have an attorney present with me during any questioning now or in the future, and if I cannot afford my own attorney, one will be furnished to me and that I can stop answering his questions at any time that I desire. I am willing to make the following statement of my own free will without anyone having promised me anything or offered me any hope of reward, favor or promise of leniency.

Signed [REDACTED]

Witness [REDACTED]

This statement is taken at [REDACTED] Town Police Headquarters, [REDACTED] Road, [REDACTED] at 17:02 on the [REDACTED] day of [REDACTED] 1994 by Interrogating Officer: Capt. [REDACTED]

1. Q. What is your full name? A. [REDACTED]
2. Q. Where do you live? A. [REDACTED]
3. Q. How old are you and what is your date of birth? A: [REDACTED]
4. Q. Are you employed or go to school? A. Employed
5. Q. If so, where? A. [REDACTED] Ave. [REDACTED]
6. Q. Are you single or married? A. Married.
7. Q. Were you at an accident scene on [REDACTED] in Lancaster on [REDACTED]-94 at about 2:05 PM. A. Yes.
8. Q. Can you tell me what happened and/or what you saw regarding this accident. A. I was in my office which is located in the front of the building facing [REDACTED] Ave. I had my back to the window when I heard a loud crash and short skid noise. I immediately turned around and saw the car involved in the accident coming to a stop. Almost right away flames appeared in the engine compartment. I yelled to the secretary to have someone get the fire extinguishers and then I ran back into my office and called 911 to report accident. As I was on the phone I saw Eric Weber who works for me running down the driveway with a fire extinguisher. He was just about to Walden Ave. when I saw him. I then ran out of the building taking a fire extinguisher with me also. I ran up the driveway across [REDACTED] Ave. to the car. When I got to the car [REDACTED] and [REDACTED] another employee, had just finished their extinguishers putting the fire out. I did not have to use my extinguisher. I noticed that there was someone else there but I really don't remember who it was, I thought it was the tractor trailer driver but I really don't know. After the fire was out I was standing on the passenger side near the engine compartment and started to look into the car and at that time I noticed a young boy who was partially out of the car through what I think was the window. I became quite upset at what I saw and turned away lowering my head. About this time I heard a siren in the distance and started to walk back to my office. At this time [REDACTED] walked back with me trying to calm me down a little. Back at my office I sat down at my desk and put my head down for a while. When I looked up later I saw a police officer carry a boy and put him on the back of a police car.
9. Q. When you were running out of the yard to go across the street did you see the [REDACTED] garbage truck in your drive way. A. No.
10. Q. Do you remember seeing the Garbage truck when you looked out your front window when you first heard the crash. A. No.
11. Q. How long do you think it took from the time you heard the crash until you saw the car coming to a stop. A. About 5 seconds.
12. Q. How long do you think it was from when you heard the crash until you saw [REDACTED] running out of the driveway. A. It was right after I hung up the phone from calling 911 so not more than 1 1/2 to 2 minutes.

13. Q. When you saw [REDACTED] running out the drive did you see the Garbage Truck then. A. No.

14. Q. Could the truck have been there even though you don't remember seeing it. A. It could have been and probably should have been there because I had just talked to the Truck driver who had come in the building and I had seen him start to back up to leave before I went into my office and sat down. The Accident happened so fast after that, that the garbage truck should still have been there, but I don't remember seeing it. As a matter of fact it was so soon that I thought it was the garbage truck involved when I heard the crash.

15. Q. Is there anything else you would like to add to this statement. A. Just that when I am at my desk like I was and turning to my right to look behind me I cannot really see the driveway next to our building. When I did look I remember just concentrating on the car. I never really saw the semi until I looked out the second time.

DATE

/94

SIGNATURE

NOTE: FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO  
[REDACTED] OF THE PENAL LAW

## STATEMENT

DEPARTMENT OF POLICE

TOWN OF [REDACTED]

I, [REDACTED] having been advised of my rights by Capt. [REDACTED] understand that I have a right to remain silent; that anything I might tell him may be used against me in a Court of law; that I have a right to have an attorney present with me during any questioning now or in the future, and if I cannot afford my own attorney, one will be furnished to me and that I can stop answering his questions at any time that I desire. I am willing to make the following statement of my own free will without anyone having promised me anything or offered me any hope of reward, favor or promise of leniency.

Signed [REDACTED]

Witness [REDACTED]

This statement is taken at [REDACTED] Town Police Headquarters, [REDACTED] Road, [REDACTED] at 10:05 on the [REDACTED] day of [REDACTED] 1994 by Interrogating Officer: Capt. [REDACTED]

1. Q. What is your full name? A. [REDACTED]
2. Q. Where do you live? A. [REDACTED] Rd. [REDACTED]
3. Q. How old are you and what is your date of birth? A. [REDACTED]
4. Q. Are you employed or go to school? A. Employed
5. Q. If so, where? A. [REDACTED] Ave. [REDACTED]
6. Q. Are you single or married? A. Married
7. Q. Were you at an accident scene on [REDACTED] Ave. on [REDACTED] 1994 at about 2:05PM. A. Yes.
8. Q. Exactly where were you when the accident happened. A. I was in my Company van on [REDACTED] Dr. about 20 - 25 feet before the stop sign at [REDACTED] Ave.
9. Q. Which way were you facing. A. North
10. Q. Tell me about the accident. A. As I was approaching [REDACTED] I looked left to check traffic. Just as I got to the Stop sign I heard the crash to my right. I then looked right at that instant and saw the car bouncing backwards and the truck jackknifing into the ditch. I looked for traffic again and drove across the street to the scene near the car. I saw the car on burning and got the fire extinguisher from inside the van and through it to [REDACTED] who was there also. He didn't know how to work the fire extinguisher right away so I got out the passenger side and took it from him and put out the fire in the engine part of the car. I looked around to see if anyone was out to have them call 911, then I saw a man who had pulled up in a van on a cell phone. I assumed he was calling for help. I then checked the car and only saw 2 people, due to the smoke from the extinguisher I couldn't see anyone in the rear. I hung around for a few seconds and saw what appeared to be fire department people getting out of cars. I didn't think I could do any more so I moved my van out of the area so the emergency vehicles could get close. I then went in the new plant.
11. Q. Did you at any time see the Garbage truck that was at [REDACTED]. A. Yes, When I was looking around for someone to call 911 I seen the truck which appeared to be in the driveway leading out of the company next to [REDACTED] which is called [REDACTED] or something like that.
12. Q. When you were pulling up to [REDACTED] before the accident and started to check for traffic, did you see the garbage truck then. A. No.
13. Q. Do you think the garbage truck was a contributing factor in the accident. A. I can't say for sure.
14. Q. After you saw the accident vehicles skidding etc. did you check for traffic again before you drove across the street. A. I noticed the accident to the right and knew nothing else was coming that way. I then checked to the left again and then crossed the street.

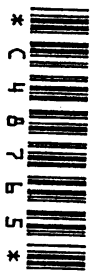


16. Q. Is there anything else you would like to add to this statement.  
A. No I think that just about covers it.

DATE 1/54 SIGNATURE [Redacted]

NOTE: FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO [REDACTED] OF THE PENAL LAW

Department of Transportation  
TRAFFIC ENGINEERING & SAFETY DIVISION  
MOTOR CARRIER SAFETY  
ASSISTANCE PROGRAM  
[REDACTED] AVENUE  
[REDACTED]  
DRIVER-VEHICLE EXAMINATION REPORT

GENERAL INFORMATION																																																										
1. REPORT NUMBER					2. INSPECTION DATE																																																					
[REDACTED]					[REDACTED] / 94																																																					
3. TIME STARTED					4. INSP. LOCATION										5. INSP. LEVEL																																											
10:50					[REDACTED]										[REDACTED]																																											
9. NAME OF MOTOR CARRIER					[REDACTED] INC.					6. USDOT NO.																																																
10. STREET ADDRESS					[REDACTED]					7. ICC DOCKET NO.																																																
11. CITY					[REDACTED]					8. INTERSTATE CARRIER?																																																
					12. STATE					13. ZIP CODE																																																
					[REDACTED]					YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>																																																
14. NAME OF SHIPPER (HM ONLY)										15. SHIPPING PAPER NO. (HM ONLY)																																																
16. DRIVER IDENTIFICATION (LAST, FIRST, MI)										17. DRIVER LICENSE NO.																																																
[REDACTED]										[REDACTED]																																																
19. DRIVER DATE OF BIRTH										20. UNIFORM TRAFFIC TICKET ISSUED?																																																
[REDACTED] / 58										(Circle 1) Y <input checked="" type="checkbox"/> N <input type="checkbox"/>																																																
22. COMMODITY TRANSPORTED										23. VEHICLE ODOMETER																																																
1000										74,610																																																
24. # OUT OF ADJUSTMENT										HAZARDOUS MATERIALS TRANSPORTED																																																
0										<table border="1"> <thead> <tr> <th>CODE</th> <th>RD?</th> <th>HW?</th> </tr> </thead> <tbody> <tr> <td>25.</td> <td></td> <td></td> </tr> <tr> <td>26.</td> <td></td> <td></td> </tr> <tr> <td>27.</td> <td></td> <td></td> </tr> </tbody> </table>					CODE	RD?	HW?	25.			26.			27.																																		
CODE	RD?	HW?																																																								
25.																																																										
26.																																																										
27.																																																										
<table border="1"> <thead> <tr> <th>RIGHT</th> <th>AXLE 1</th> <th>AXLE 2</th> <th>AXLE 3</th> <th>AXLE 4</th> <th>AXLE 5</th> <th>AXLE 6</th> <th>AXLE 7</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1/4</td> <td>1/4</td> <td>1/4</td> <td>1/4</td> <td>1/4</td> <td>1/4</td> <td>1/4</td> </tr> <tr> <td>LEFT</td> <td>1/4</td> <td>1/4</td> <td>1/4</td> <td>1/4</td> <td>1/4</td> <td>1/4</td> <td>1/4</td> </tr> <tr> <td>TYPE</td> <td>20</td> <td>30</td> <td>30</td> <td>30</td> <td>30</td> <td>30</td> <td>30</td> </tr> </tbody> </table>										RIGHT	AXLE 1	AXLE 2	AXLE 3	AXLE 4	AXLE 5	AXLE 6	AXLE 7	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	LEFT	1/4	1/4	1/4	1/4	1/4	1/4	1/4	TYPE	20	30	30	30	30	30	30	<table border="1"> <thead> <tr> <th>CODE</th> <th>RD?</th> <th>HW?</th> </tr> </thead> <tbody> <tr> <td>25.</td> <td></td> <td></td> </tr> <tr> <td>26.</td> <td></td> <td></td> </tr> <tr> <td>27.</td> <td></td> <td></td> </tr> </tbody> </table>					CODE	RD?	HW?	25.			26.			27.		
RIGHT	AXLE 1	AXLE 2	AXLE 3	AXLE 4	AXLE 5	AXLE 6	AXLE 7																																																			
0	1/4	1/4	1/4	1/4	1/4	1/4	1/4																																																			
LEFT	1/4	1/4	1/4	1/4	1/4	1/4	1/4																																																			
TYPE	20	30	30	30	30	30	30																																																			
CODE	RD?	HW?																																																								
25.																																																										
26.																																																										
27.																																																										
29. C.V.S.A. DECAL NO.										UNIT NO.																																																
[REDACTED]										[REDACTED]																																																
VEHICLE IDENTIFICATION																																																										
UNIT NO.	UNIT TYPE	MAKE	CO. NUMBER	LICENSE TAG NUMBER	STATE	DMV INSPECTION CERT. NUMBER	CERT. EXP. MONTH	CERT. EXP. YEAR																																																		
30.	1	TT	FRONT	[REDACTED]	[REDACTED]	[REDACTED]	74																																																			
31.	2	ST.	GR DME	[REDACTED]	[REDACTED]	[REDACTED]	95																																																			
32.	3																																																									
33.	4																																																									
34.	5																																																									
35.	6																																																									
UNIT TYPE: TR = Straight Truck TT = Truck Tractor ST = Semi Trailer PT = Pole Trailer FT = Full Trailer DC = Dolly Converter BU = BUS OT = Other																																																										
VIOLATIONS																																																										
NO.	VIOLATION IDENTIFICATION	UNIT NO.	OUT OF SVC	VIOLATIONS DISCOVERED																																																						
1	[REDACTED]	1		FRONT END PROTECTION INEFFECTIVE - DAMAGED AS (RESULT OF ACC)																																																						
2	[REDACTED]	1		AXLE #1 LHS + RIS BRAKES INEFFECTIVE (RESULT OF ACC)																																																						
3	[REDACTED]	1		QUICK RELEASE VALVE TO AXLE #1 LHS + RIS BRAKES BROKEN OFF (RESULT OF ACC)																																																						
4	[REDACTED]	1		AXLE #1 RIS AIR BRAKE CAM SHAFT BACKING PLATE BENT THEREBY APPLYING BRAKE - UNABLE TO RELEASE BRAKE (RESULT OF ACC)																																																						
SEE CONTINUATION SHEET <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO																																																										
VEHICLE/DRIVER OUT OF SERVICE NOTICE																																																										
<p><input checked="" type="checkbox"/> Pursuant to the authority contained in Subdivision 2 of Section 120 of the Transportation Law and the regulations of the Commissioner of Transportation promulgated pursuant thereto, I hereby declare vehicles with defects followed by an "X" in the "Out of Service" column in the violations discovered section of this report OUT OF SERVICE. No person shall operate such vehicles until the out of service defects have been repaired and the vehicles have been restored to safe operating condition.</p> <p><input type="checkbox"/> Pursuant to authority contained in Subdivision 2 of Section 211 &amp; 212 of the Transportation Law and the regulations of the Commissioner of Transportation promulgated pursuant thereto, I hereby notify and declare the driver named on this report OUT OF SERVICE. No motor carrier shall permit or require this driver to drive or operate any motor vehicle until:</p>																																																										
REPORT PREPARED BY		A. ID OR BADGE #	B. TIME COMPLETED	COPY RECEIVED BY																																																						
[REDACTED]		[REDACTED]	1205	X Copy Mailed to Driver																																																						
NOTE TO DRIVER: This report must be furnished to the motor carrier whose name appears at the top of this report. NOTE TO MOTOR CARRIER: If entries are made in the violation section above, please sign the certification below, and within fifteen days return this report to the address which appears in the upper left corner of this report.																																																										
The undersigned certifies that all violations noted on this report have been corrected and action has been taken to assure compliance with the Transportation Law and regulations.																																																										
SIGNATURE OF CARRIER OFFICIAL			TITLE	DATE SIGNED																																																						
[REDACTED]			[REDACTED]	[REDACTED]																																																						

[illegible]

ASAP

PART 001 OF 001 \*R\*

BEST AVAILABLE

FILE 3

TO

SP - SP - SP TRAFFIC - SP

1994 CORRECTED

ONE CAR & SEMI TRACTOR TRAILER FATAL A/A DATE/1994 TIME/2:05PM  
RTE: AVE CTV LITERAL: TOWN OF CTV CODE :  
CNTY: COUNTY MPM: N/A  
LOC: 100 FEET EAST OF ROAD  
INVESTIGATED BY: POLICE DEPARTMENT  
#KILLED/4 #INJURED/1 RELATIVE NOTIFIED/YES SCHOOL BUS INVOLVED/NO  
PROBABLE CAUSE/FAILED TO KEEP RIGHT - OPERATOR OF VEH1 OPER CHARGED-VEH#/1 - N  
CHARGE: NONE CHEM TEST-OPER VEH#/1 - YES/BLOOD  
CHEM TEST-OPER VEH#/2 - YES/BREATH T

## DECEASED:

NAM/ AGE/35 V&P/11 COD/PENDING POST MORTEM  
ADD/

NAM/ AGE/8 V&P/ COD/PENDING POST MORTEM  
ADD/31

NAM/ AGE/6 V&P/ COD/PENDING POST MORTEM  
ADD/

NAM/ AGE/6M V&P/ COD/PENDING POST MORTEM  
ADD/

## INJURED

NAM/ AGE/36 V&P/21 INJURY/LEG INJURY  
ADD/ HOSP/NOT TREATED

NAM/ AGE/4 V&P/ INJURY/MULTIPLE INJURIES  
ADD/ HOSP

VEH #1 EAST BOUND ON AVE. CROSSED INTO WEST BOUND LANE AND  
STRUCK VEHICLE #2 HEAD ON. AND WERE  
PRONOUNCED DEAD AT SCENE BY COUNTY MEDICAL EXAMINER AND  
REMOVED TO COUNTY MEDICAL CENTER PENDING POST MORTEM.  
WAS TRANSPORTED TO AND LISTED IN CRITICAL CONDITION.  
WAS TRANSPORTED TO WHERE HE WAS  
PRONOUNCED DEAD. REQUESTED AT SCENE BY PD WAS TPR - MSCAP  
ALSO AT SCENE WAS TPR PD. ACCIDENT INVESTIGATION TO BE CONDUCTED BY  
PD.

VEHICLE #2 - TRACTOR TRAILER OWNED BY ST,

POST ACCIDENT SAFETY INSPECTION TO BE CONDUCTED ON /94 BY TPR  
SPINK - MCSAP. ADDED TO FOLLOW AFTER POST SAFETY INSPECTION.

SEAT BELTS IN USE-VEH #1D/UNK P/UNK VEH #2D/UNK P/UNK  
EJECTION-VEH #1D/UNK P/UNK VEH #2D/UNK P/UNK

DIV/DUTY OFFICER. NOTIFY AT NEXT CONTACT.  
TROOP DUTY OFFICER - CAPT NOTIFIED.

AUTH/LT

722PM

FILE 3

SP

-94 ADDED

SP

- SP ACADEMY - SP TRAFFIC SP

TO

REF [REDACTED] FILE DATED [REDACTED]-94 RE; CAR/SEMI TRACTOR TRAILER FATAL

ADD TO DECEASED- [REDACTED] - AGE 4 -PASSENGER - VEHICLE #1

POST ACCIDENT SAFETY INSPECTION CONDUCTED BY TPR [REDACTED] AND  
TPR [REDACTED] REVEALED NO MECHANICAL DEFECTS ON VEHICLE #2  
EXCEPT WHAT WAS CAUSED BY ACCIDENT

AUTH LT [REDACTED]  
ZONE TWO COMMANDER

1-20PM

## MEMORANDUM

Troop [REDACTED] Station HEADQUARTERS

Date [REDACTED] 1994

To: Troop Commander, Troop "A", [REDACTED]

From: Trooper [REDACTED]

Subject: TRACTOR TRAILER ONE CAR FATAL AUTOMOBILE ACCIDENT  
[REDACTED] AVENUE, TOWN OF [REDACTED] /94  
FIVE DECEASED

On [REDACTED], 1994, at 3:00 P.M., writer was requested by the [REDACTED] Police Department to assist them at the scene of a tractor-trailer one car fatal auto accident, which occurred at approximately 2:05 P.M., date, on [REDACTED] Avenue, approximately 100 feet east of [REDACTED] Road, Town of [REDACTED].

On [REDACTED], 1994, at 10:50 A.M., at the [REDACTED] Fire Department parking lot, [REDACTED] Street, [REDACTED], assisted by Troopers [REDACTED] and [REDACTED], conducted a post accident safety inspection on the tractor trailer that was involved in the accident. The tractor was a 1994 Freightliner, bearing [REDACTED] Registration [REDACTED] and was being operated, at the time of the accident, by one, [REDACTED] DOB: [REDACTED] 58, [REDACTED] Street, [REDACTED]. The vehicle was owned by [REDACTED] Corporation, [REDACTED] Street, [REDACTED] and leased to [REDACTED] News Press, INC., [REDACTED]. The semi-trailer was owned by [REDACTED] News Press, INC. and was a 1985 Great Dane, bearing [REDACTED] Registration [REDACTED].

The following violations of the [REDACTED] Safety Regulations were detected during the safety inspection; and all were a direct result of the accident:

1. Section [REDACTED] Vehicle number one front end protection ineffective due to damage. (Result of accident)
2. Section [REDACTED] - Axle No. 1 left side and right side brakes inoperative. (Result of accident)
3. Section [REDACTED] - Quick release air valve to axle number one, left side and right side brakes broken off. (Result of accident)
4. Section [REDACTED] - Axle number one right side air brake cam shaft mounting plate bent; thereby applying brake-unable to release same. (Result of accident)



5. Section [REDACTED] - Vehicle number one exceeds air loss rate due to quick release air valve to axle number one being broken off. (Result of accident)
6. Section [REDACTED] - Axle number one left side tire flat. (Result of accident)

No criminal action was instigated as a result of the post accident safety inspection.

Attached to report is a copy of the post accident vehicle inspection report, dated [REDACTED], 1994; a copy of the Driver-Vehicle Examination Report, Form [REDACTED], Number [REDACTED], dated [REDACTED], 1994, File #3 teletype message [REDACTED], SP [REDACTED], dated [REDACTED], 1994, File #3, Added Information [REDACTED], SP [REDACTED], dated [REDACTED], 1994; and accident report [REDACTED] & [REDACTED], dated [REDACTED], 1994 completed by Patrolman [REDACTED] [REDACTED] Police Department.

Date: 1/94	Inspection Location: FIRE DEPT - PARKING LOT	Time Started: 10:50 AM	Time Completed: 12:05 PM
Company: [REDACTED] NEWSPRESS INC.	ICC / DOT: [REDACTED]	Phone Number: [REDACTED]	
Physical Address: [REDACTED]	City: [REDACTED]	State: [REDACTED]	Zip Code: [REDACTED]
Photo's: Yes / No	Log Used: Yes / No	Photos Taken By: [REDACTED] PD + [REDACTED]	Department: [REDACTED]
Investigating Agency: [REDACTED] POLICE DEPT.	Contact: [REDACTED]	Phone Number: [REDACTED]	
Mailing Address: [REDACTED] RD	City: [REDACTED]	State: [REDACTED]	Zip Code: [REDACTED]
Driver's Name: [REDACTED]	Date of Birth: [REDACTED] / 58	State: [REDACTED]	
License Number: [REDACTED] - 58	Class: A	Endors.: NT	Restrict: -
Expires: [REDACTED] / 94			
Vehicle 1 - Year & Make: 94 FREIGHT	Color: WH	Vehicle I.D. Number: [REDACTED]	Plate Number: [REDACTED] State: [REDACTED]
DMV Insp. Exp. Date: [REDACTED] / 94	DMV Insp. Cert. Number: [REDACTED]	Vehicle Mileage: 76,610	
Vehicle 2 - Year & Make: 85 GR. DANE	Color: WH	Vehicle I.D. Number: [REDACTED]	Plate Number: [REDACTED] State: [REDACTED]
DMV Insp. Exp. Date: [REDACTED] / 95	DMV Insp. Cert. Number: [REDACTED]	Vehicle Mileage: [REDACTED]	
Insurance Company Name: [REDACTED] CO	Policy Number: [REDACTED]	Policy Expires: [REDACTED] / 1994	
SEE PAGE #1A PERSONAL INJURY ACCIDENT - (Yes) / No			
Name: [REDACTED]	Address: [REDACTED]	Age: 35	Inj. Fat. [X]
[REDACTED]	[REDACTED]	7 Mos.	[X]
[REDACTED]	[REDACTED]	3	[X]
COMMODITY TRANSPORTED			
Commodity: [REDACTED]	Haz. Material: Yes No	Haz. Waste: Yes No	Shipping Paper #: [REDACTED]
Cargo Tank: Yes No	Spec. #: [REDACTED]	Last "V" Date: [REDACTED]	Last "P" Date: [REDACTED]
Last " " " Date: [REDACTED]		Leaking: Yes No	
List Any Hazardous Material Violations on Page # 3, Spill info on Page #7			
CARGO SECUREMENT VIOLATIONS - Yes / (No)			
Type of Cargo	Violation #	Violation Description	
[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	
Other / Remarks / Comments:			
[REDACTED]			
[REDACTED]			
[REDACTED]			
Inspected by: TPR [REDACTED]		Assisted by: TPR [REDACTED] + [REDACTED]	

Date:		Inspection Location:		Time Started		Time Completed					
Company:				ICC / DOT #		Phone Number					
Physical Address:			City		State		Zip Code				
Photo's Yes / No		Log Used Yes / No		Photos Taken By:			Department				
Investigating Agency:				Contact:		Phone Number					
Mailing Address:			City		State		Zip Code				
Driver's Name					Date of Birth		State				
License Number				Class		Endors.		Restrict		Expires	
Vehicle 1 - Year & Make			Color		Vehicle I.D. Number			Plate Number		State	
DMV Insp. Exp. Date			DMV Insp. Cert. Number				Vehicle Mileage				
Vehicle 2 - Year & Make			Color		Vehicle I.D. Number			Plate Number		State	
DMV Insp. Exp. Date			DMV Insp. Cert. Number				Vehicle Mileage				
Insurance Company Name:				Policy Number			Policy Expires				

PERSONAL INJURY ACCIDENT - Yes / No

Name	Address	Age	Inj.	Fat.
[REDACTED]	[REDACTED]	6		X
[REDACTED]	[REDACTED]	8		X
[REDACTED]	[REDACTED]			X

COMMODITY TRANSPORTED

Commodity			Haz. Material Yes No		Haz. Waste Yes No		Shipping Paper #	
Cargo Tank Yes No	Spec. #	Last "V" Date	Last "P" Date		Last " " " Date		Leaking Yes No	

List Any Hazardous Material Violations on Page # 3, Spill info on Page #7

CARGO SECUREMENT VIOLATIONS - Yes / No

Type of Cargo	Violation #	Violation Description

Other / Remarks / Comments:


Inspected by:	Assisted by:
---------------	--------------

## ACCIDENT INFORMATION &amp; DATA

Location of Accident: (List intersections &amp; Route #'s)

[REDACTED] AVE. APPROX. 100 FEET EAST OF [REDACTED] RD TO [REDACTED]

Date: [REDACTED] 94

Time: 2:05 PM

Weather Conditions

cloudy

Road Conditions

CLEAR + DRY

Draw Below the Scene &amp; Locations of Vehicles Involved:

1. Veh. \_\_\_\_\_ 2. Veh. \_\_\_\_\_ 3. Veh. \_\_\_\_\_

SEE ATTACHED [REDACTED]

Narrative Description of Accident:

## WITNESSES - (Yes) / No

Name(s)	Address	Phone Number
1. [REDACTED]	[REDACTED] AVE, [REDACTED] BUS.	[REDACTED]
2. [REDACTED]	[REDACTED] AVE, [REDACTED]	[REDACTED]
3.		
4.		
5.		

Remarks / Comments of Witnesses:

Reported to: \_\_\_\_\_

Date

Circle ---- FEA (USDOT) - [REDACTED] - [REDACTED] - OTHER

[REDACTED] 94

Action Taken / Recommendations:

HAZARDOUS MATERIAL & HAZARDOUS WASTE VIOLATIONS - Yes / ☒ No

Violation Section	Description of Violation

Other / Remarks / Comments:

## DRIVER VIOLATIONS - Yes / No

Med. Card Expires <u>1/95</u>		License - Suspended or revoked - Yes <input checked="" type="radio"/> No (Explain)	
Log Book <input checked="" type="radio"/> Yes <input type="radio"/> No	Current Status <input checked="" type="radio"/> Yes <input type="radio"/> No	Time and Location of Last Entry (Make Copy) <u>12:30 PM</u> <u>1/94</u> <u>[REDACTED]</u>	
10 Hour	15 Hour	60/70 Hour Totals	Time / Date of Last 8 Hrs. Off Duty <u>[REDACTED] + [REDACTED] OFF DUTY</u>

Other Driver Violations: NONE

STEERING VIOLATIONS - Yes / ☒ No

System Component	Violation Description
Pitman Arm	<u>ok.</u>
Strg. Gear Box	<u>ok.</u>
Left Tie Rod	<u>ok.</u>
Left Strg. Knuckle	<u>ok.</u>
Intermediate Rod	<u>ok.</u>
Connecting Rod	<u>ok.</u>
Right Tie Rod End	<u>ok.</u>
Right Strg. Knuckle	<u>ok.</u>
Frt. End of Drag Link	<u>ok.</u>
Rear End of Drag Link	<u>ok.</u>
P.S. Booster Cylinder	<u>ok.</u>
Column Shaft & Wheel	<u>ok.</u>
Steering Wheel Play (Measure Free Travel)	Free Play " "

Other / Remarks / Comments:

- Yes / No

[illegible]

Other / Remarks / Comments:



## TIRE, WHEEL, HUB &amp; FASTENER DEFECTS - Yes / (No)

Wheel Location	Tire Tread Depth	Tire Air Pres/ *PSI*	Indicate " X "			Violation Description
			Tire Def.	Wheel Def.	Fast Def.	
Left Axle #1	8/32"	#	<input checked="" type="checkbox"/>			TIRE FLAT - (RESULT OF ACC)
Left Axle # 2	Inner	15/32"	#			
	Outer	14/32"	#			
Left Axle # 3	Inner	14/32"	#			
	Outer	14/32"	#			
Left Axle # 4	Inner	10/32"	#			
	Outer	8/32"	#			
Left Axle # 5	Inner	9/32"	#			
	Outer	9/32"	#			
<del>Left Axle # 6</del>	Inner	1/32"	#			
	Outer	1/32"	#			
<del>Left Axle # 7</del>	Inner	1/32"	#			
	Outer	1/32"	#			
Right Axle #1	11/32"	#				
Right Axle # 2	Inner	15/32"	#			
	Outer	13/32"	#			
Right Axle # 3	Inner	13/32"	#			
	Outer	12/32"	#			
Right Axle # 4	Inner	6/32"	#			
	Outer	6/32"	#			
Right Axle # 5	Inner	13/32"	#			
	Outer	9/32"	#			
<del>Right Axle # 6</del>	Inner	1/32"	#			
	Outer	1/32"	#			
<del>Right Axle # 7</del>	Inner	1/32"	#			
	Outer	1/32"	#			

Other / Remarks / Comments:

## SUSPENSION SYSTEM DEFECTS

- Yes / (No)

Location	Sprg Def.	Hang Def.	U-bol Def.	Violation Description
Left Axle # 1				
Left Axle # 2				
Left Axle # 3				
Left Axle # 4				
Left Axle # 5				
Left Axle # 6				
Left Axle # 7				
Right Axle # 1				
Right Axle # 2				
Right Axle # 3				
Right Axle # 4				
Right Axle # 5				
Right Axle # 6				
Right Axle # 7				

Other / Remarks / Comments:

## ELECTRICAL SYSTEM DEFECTS

- Yes / (No)

Component	Location	Violation Description
Head Lights	VEH #1	OK
Turnsignals	VEH #2	OK
Stop Lights	VEH #2	OK
Tail Lights	VEH #2	OK
Marker/I.D.		OK
Bare Wiring		NO
Wipers		OK
Horn (One)		OK
Low Air Warn Device		OK ACTIVATES AT 65 PSI
Speedometer		UNABLE TO CHECK

Other / Remarks / Comments:

OTHER MISCELLANEOUS DEFECTS - ☒ Yes / ☐ No

Component	Location	Violation Description
FRONT END PROTECTION	VEH #1	FRONT BUMPER DAMAGED AND INEFFECTIVE (RESULT OF ACC)

SPILL & INCIDENT INFORMATION - Yes / ☒ No

Proper Shipping Name:		Hazard Class	ID Number
Hazardous Substance: Circle: Yes / No	Was RQ Met ? Yes / No	Est. Quantity of Hazardous Material Released: (Include unit of Measure)	
Package Failure Yes / No	Improper Loading Yes / No	Incompatible Mater. Yes / No	Object Caused Failure
Explain Consequences Associated with Spill / Incident:    			
Cleanup Conducted By:			Phone Number
Disposal of Contamination By:			Phone Number
Name of Fire Dept. that Responded to Spill / Incident: <b>FIRE DEPT.</b>			Phone Number

## ADDITIONAL ACCIDENT INFORMATION &amp; REMARKS:


TRAFFIC SUMMONS ISSUED - Yes / ☒ No

Ticket #	Section #	Issued By	Recipient	Violation Description



County of [redacted]

COUNTY EXECUTIVE

DEPARTMENT OF HEALTH

[redacted] M.D.  
COMMISSIONER OF HEALTH

[redacted] M.D.  
CHIEF MEDICAL EXAMINER

AUTOPSY CERTIFICATION

DATE: [redacted]/94

FROM: [redacted] County Medical Examiners Office

RE: Autopsy report for case # [redacted]-94  
Name of deceased [redacted]

STATE OF [redacted] County of [redacted]  
Chief Medical Examiner of said county, do  
hereby certify that I have compared the  
annexed copy with the original autopsy  
report filed in my office, and that the same is a  
correct transcript therefrom and of the whole  
said original.

WITNESSED my hand this [redacted] day of [redacted] 1994

[redacted signature]  
[redacted] M.D.  
Chief Medical Examiner

[redacted] STREET [redacted]

MEDICAL EXAMINER FAX [redacted]

PHONE: [redacted]

## PATHOLOGICAL EXAMINATION

Case [REDACTED] - 94

Male - White - 35 years

Autopsy performed by [REDACTED] - [REDACTED], Associate Chief Medical Examiner at the [REDACTED] County Medical Examiners Office on [REDACTED], 1994.

The autopsy is requested by [REDACTED], Associate Chief Medical Examiner.

### EXTERNAL EXAMINATION:

The body is that of a well nourished, well developed, middle aged white male appearing to be at the stated age of 35 years. The body measures 66 1/2 inches in length and weighs 148 lbs. Rigor mortis and lividity are developed in the back of the neck, trunk, the upper and lower extremities. The head is normocephalic. The scalp is covered by a large amount of medium to long brown hair. The anterior hairline is not remarkable. The pupils of the blue eyes are central, equal, circular and each measures 0.8 cm in diameter. The sclera is white and the conjunctivae are pale. There is evidence of injuries to be described later. The nasal septum is in the midline. The skin of the earlobes, face and lips is pale. The oral cavity contains a small amount of blood. The upper and lower jaw show natural teeth. There is a moderate amount of well trimmed moustache present. The neck is short and thick. The chest is symmetrical. The abdomen is soft and flat. Pubic hair is well distributed and is that of the adult male type. The penis is circumcised. Two testicles are present in the scrotum. The upper extremities are symmetrical. The fingernails are not remarkable. The nailbeds are pale. The lower extremities are symmetrical.

### EVIDENCE OF EXTERNAL INJURIES:

The right side of the face, chin and the left cheek demonstrates diffuse brush burn type abrasion. The left chest demonstrates diffuse bruise. The back of the right forearm and the right hand demonstrates abrasions and bruise. The lateral aspect of the right thigh demonstrates extensive laceration measuring 7 inches in length. The lower portion of the right femur, upper part of the right tibia and fibula and the lower portion of the tibia and fibula are fractured. The left knee and left leg demonstrates multiple areas of abrasions.

PAGE TWO

**EVIDENCE OF CHEST AND ABDOMINAL INJURIES:**

The right chest cavity contains approximately 1000 cc of blood which is associated with laceration of the aorta and heart and the fracture of the entire left ribs. The right chest cavity contains a small amount of blood which is associated with fracture of right ribs (1st through 7th). The pericardial sac contains approximately 100 cc of blood clot. The abdominal cavity contains approximately 500 cc of blood which is associated with laceration of the liver and spleen.

**CARDIOVASCULAR SYSTEM:**

The heart weighs 300 grams. There is a small amount of pericardial adipose tissues. On opening the heart, both sides of the heart are contracted. The right atrium is lacerated. On sectioning, the cut surfaces are brown, smooth and the consistency is rubbery. The lumens of all of the coronary arteries are fully patent. The mid portion of the thoracic aorta is transected. Elsewhere, the aorta is not remarkable.

**RESPIRATORY SYSTEM:**

The right lung weighs 300 grams and the left lung weighs 250 grams. Both lungs demonstrates multiple areas of contusions. On sectioning, the cut surfaces show foci of hemorrhage. The mucosa of the bronchi, bronchioles and trachea is covered by bloody mucoid material. The pulmonary arteries are fully patent.

**GASTROINTESTINAL TRACT:**

The esophagus is intact and the stomach contains a moderate amount of digested food particles. The mucosa of the stomach is not remarkable. The small and large intestines show foci of contusions.

**LIVER:**

The liver weighs 1800 grams. The normal appearance of the liver is markedly altered due to the extensive lacerations. The gallbladder contains a small amount of bile.



PAGE THREE

**SPLEEN:**

The spleen weighs 100 grams. The normal appearance of the organ is completely disappeared due to the extensive laceration.

**PANCREAS:**

The organ is not remarkable except for peri-pancreatic hemorrhage.

**GENITOURINARY SYSTEM:**

Each kidney weighs 130 grams. They are covered by thin fibrous capsules which are stripped away easily leaving a pale, brown, smooth cortical surfaces. The left kidney demonstrates laceration. On sectioning, the left kidney demonstrates foci of hemorrhages. Elsewhere, the cut surface is pale brown, smooth and the consistency is rubbery. Both ureters and urinary bladder are not remarkable.

**NECK ORGANS:**

The larynx, pharynx, are not remarkable. The neck muscles demonstrate foci of hemorrhage.

**ENDOCRINE SYSTEM:**

The adrenal gland, pituitary gland and thyroid gland are not remarkable.

**MUSCULOSKELETAL SYSTEM:**

The maxillary bone is fractured. Elsewhere as described above.

**HEAD:**

The scalp is reflected and shows hemorrhage on the left side of the head. On opening the skull, there is a small amount of subdural hemorrhage. The left temporal bone and the sphenoid bone are fractured. The brain weighs 1400 grams. The dura, tentorial and the falx cerebri are not remarkable. The cerebral hemispheres are symmetrical. The cerebral arteries are not remarkable. On sectioning, the cut surfaces are pale, smooth and show well defined corticomedullary junctions. The lateral ventricles contain a small amount of blood tinged cerebral spinal fluid. On sectioning of the pons, medulla, cerebellum and upper one

**██████████ COUNTY MEDICAL EXAMINER'S OFFICE  
FORENSIC TOXICOLOGY LABORATORY**

██████████ Street

Telephone: ██████████

PATIENTS NAME: ██████████

██████████-94

SERIAL# ██████████

REQUESTED BY: Medical Examiner

DATE: ██████████-94

INSTITUTION: ██████████ County Medical Examiner's Office

MATERIAL FOR EXAMINATION: Blood, liver, brain, gastric, urine,  
vitreous humor

ANALYSIS REQUESTED: Toxicological Examination

---

**RESULTS:**

Blood: Caffeine - present  
Phenylpropanolamine - none detected

Alcohols, barbiturates, meprobamate, diazepam, salicylates,  
ethchlorvynol, carbon monoxide, cocaine and opiates - none  
detected.

Urine: Phenylpropanolamine - present

Amphetamines, barbiturates, cocaine, morphine, codeine,  
oxazepam, methadone, phencyclidine, cannabinoids,  
propoxyphene, methaqualone, meperidine, phenothiazines,  
tricyclic antidepressants - none detected.

Liver: Phenylpropanolamine - none detected.

Gastric Contents: Phenylpropanolamine - none detected.

DATE COMPLETED: ██████████, 1994

██████████  
D.  
Chief County Toxicologist

PAGE FOUR

third of the spinal cord, they show pale and smooth cut surfaces.

**AUTOPSY FINDINGS:**

1. Fracture of the bone involving:
  - a. Skull.
  - b. Thoracic vertebral bone.
  - c. Ribs, bilateral, multiple.
  - d. Femur, right.
  - e. Tibia, left.
2. Laceration of the:
  - a. Heart.
  - b. Aorta.
  - c. Spleen.
  - d. Liver.
  - e. Left kidney.
3. Contusion of the lung, bilateral.
4. Hemothorax.
5. Hemoperitoneum.
6. Hemopericardium.
7. Subdural hemorrhage.

**CAUSE OF DEATH:** Multiple injuries.

**TOXICOLOGY:**

Blood, liver, brain, gastric contents and urine.

**OPINION:** This 35 year old white male, [REDACTED], died of multiple injuries sustained in a traffic accident in which he was the driver of an auto involved in collision. The manner of death was classified as an accident.

[REDACTED]  
[REDACTED] M.D.  
Associate Chief Medical Examiner

**NOTE:** Toxicology results will be sent upon completion.



County of [redacted]

COUNTY EXECUTIVE

DEPARTMENT OF HEALTH

[redacted] M.D.  
COMMISSIONER OF HEALTH

[redacted] M.D.  
CHIEF MEDICAL EXAMINER

AUTOPSY CERTIFICATION

DATE: [redacted]/94

FROM: [redacted] County Medical Examiners Office

RE: Autopsy report for case # [redacted]-94  
Name of deceased [redacted]

STATE OF [redacted], County of [redacted]  
Chief Medical Examiner of said county, do  
hereby certify that I have compared the  
annexed copy with the original autopsy  
report filed in my office, and that the same is a  
correct transcript therefrom and of the whole  
said original.

WITNESSED my hand this [redacted] day of [redacted] 1994

[redacted] M.D.  
Chief Medical Examiner

[redacted] STREET

MEDICAL EXAMINER FAX # [redacted]

PHONE [redacted]

## PATHOLOGICAL EXAMINATION

Case [REDACTED] - 94

Male - White - 6 months

Autopsy performed by Dr. [REDACTED] Chief Medical Examiner at the [REDACTED] County Medical Examiners Office on [REDACTED], 1994.

The autopsy is requested by [REDACTED] Associate Chief Medical Examiner.

### EXTERNAL DESCRIPTION:

The body is that of a well nourished and well developed, male white infant, body length 26 inches and scale weight 17 1/2 lbs. The head hair is brown and short. The face appears flattened. The irides are gray and the pupils are round and equal. A small amount of clotted blood is present in both nostrils. The external auditory meati are not remarkable. The mouth is edentulous. The anterior neck is symmetrical and no masses are palpated. The anterior chest is symmetrical. The abdomen is scaphoid and pubic hair is absent. The foreskin appears short and the scrotum is not remarkable. There is a transverse abrasion across the abdomen at the left lower umbilicus. This is probably due to the restraints in the car seat. An abrasion is also present on the anterior surface of the right thigh. The left femur is fractured in its upper third. The left lower extremities is externally rotated. Rigor mortis is partially present and livor mortis is both posterior and in the lower extremities. The back is not remarkable.

### HEAD:

The scalp is carefully reflected and hemorrhage is seen in the frontal, temporal and occipital areas. There is a comminuted fracture of the vault in the base of the skull. The dura matter is lacerated. No epidural hemorrhage is present. There is slight subdural bleeding. The brain weighs 750 grams. It is very severely lacerated. Serial sections do not show any areas of tumor or softening.

### NECK ORGANS:

The neck is carefully dissected and hemorrhage is seen in the lower pre-vertebral area. There is a fracture of the cervical spine between C7 and T1. The hyoid bone and laryngeal cartilages are intact. The thyroid gland and larynx are not remarkable.

PAGE TWO

**INTERNAL EXAMINATION:**

The body is opened through the usual Y shaped trunk incision and the panniculus measures about 1 cm in thickness in the anterior abdominal wall. The rib cage and diaphragm are intact and the organs are in their normal positions.

**BODY CAVITIES:**

The pericardial and peritoneal cavities are not remarkable. The peritoneal cavity contains a small amount of fluid blood.

**CARDIOVASCULAR SYSTEM:**

The heart weighs 35.9 grams. The valves are free from disease and the coronary arteries are not remarkable. The myocardium is purplish brown in color and firm in consistency and does not show any areas of infarction. The epicardium and endocardium are smooth and the coronary ostia are patent. The main arteries and veins are not remarkable. No congenital abnormalities are present in the heart.

**RESPIRATORY SYSTEM:**

The trachea is patent and contains some fluid blood. Fluid blood is also present in the bronchial tree. The left lung weighs 59 grams and the right weighs 35.8 grams. A few small contusions are seen on the outer surfaces of both lungs. The sectioned surfaces are not remarkable except for hemorrhage into the areas of contusion. The pulmonary vessels are not remarkable.

**GASTROINTESTINAL TRACT:**

The esophagus is not remarkable. The stomach contains a small amount of bile stained fluid. The mucous membrane and walls are not remarkable. The small and large intestines and rectum are also not remarkable. The appendix is present and healthy.



**COUNTY MEDICAL EXAMINER'S OFFICE  
FORENSIC TOXICOLOGY LABORATORY**

Street

Telephone:

PATIENTS NAME:

-94

SERIAL#

REQUESTED BY: Medical Examiner

DATE: -94

INSTITUTION: County Medical Examiner's Office

MATERIAL FOR EXAMINATION: Blood

ANALYSIS REQUESTED: Toxicological Examination

RESULTS:

Blood:

Alcohols, carbon monoxide, cocaine and opiates - none detected.

DATE COMPLETED: 1994

Chief County Toxicologist

Case [REDACTED] - 94

PAGE THREE

LIVER:

The liver weighs 270 grams. It is not remarkable.

PANCREAS:

The pancreas is not remarkable.

SPLEEN:

The spleen weighs 36.2 grams. It is lacerated.

GENITOURINARY SYSTEM:

The left kidney weighs 28.9 grams and the right weighs 30.4 grams. The capsules strip easily and the outer surfaces are smooth and show fetal lobulation. The sectioned surfaces appear cyanotic. The adrenals and ureters are not remarkable. The urinary bladder contains a small amount of urine. The mucous membrane and walls are not remarkable. The prostate gland is also not remarkable.

ANATOMICAL DIAGNOSIS:

1. Fractured skull, spine and extremities.
2. Lacerations of brain and spleen.
3. Hemothorax.

CAUSE OF DEATH: Multiple injuries.

A blood sample is sent for toxicology.

[REDACTED] M.D.  
Chief Medical Examiner

JMU:lab

NOTE: Toxicology results will be forwarded upon completion.



County of [REDACTED]

COUNTY EXECUTIVE

DEPARTMENT OF HEALTH

[REDACTED] M.D.  
COMMISSIONER OF HEALTH

[REDACTED] M.D.  
CHIEF MEDICAL EXAMINER

AUTOPSY CERTIFICATION

DATE: [REDACTED]/94

FROM: [REDACTED] County Medical Examiners Office

RE: Autopsy report for case # [REDACTED] 94  
Name of deceased [REDACTED]

STATE OF [REDACTED], County of [REDACTED]  
Chief Medical Examiner of said county, do  
hereby certify that I have compared the  
annexed copy with the original autopsy  
report filed in my office, and that the same is a  
correct transcript therefrom and of the whole  
said original.

WITNESSED my hand this [REDACTED] day of [REDACTED] 1994

[REDACTED] M.D.  
Chief Medical Examiner

[REDACTED] STREET, [REDACTED]

MEDICAL EXAMINER FAX # [REDACTED]

PHONE: [REDACTED]

## PATHOLOGICAL EXAMINATION

Case [REDACTED] - 94

Male - White - 3 years

Autopsy performed by [REDACTED] Associate  
Chief Medical Examiner at the [REDACTED] County Medical Examiners  
Office on [REDACTED], 1994.

The autopsy is requested by Dr. [REDACTED], Medical  
Examiner.

### EXTERNAL EXAMINATION:

The body is that of a 3 year old white male measuring 42 inches in length and having a scale weight of 55 lbs. This is a well developed, well nourished, proportional male. There is generalized edema. There are marked petechial hemorrhages from the waist down to the toes. The right forearm is fractured, tibia and fibula together. The scalp is covered by light brown-blond short hair. There is edema and contusion on the right forehead, right cheek, right zygomatic area and the right side of the head. The irides are light in color. The pupils are dilated. There is natural residual teeth in the oral cavity. There is minimal dermatitis in below the earlobe on the left side. The neck is supple. The chest is symmetrical. The abdomen is protruded and tense. IV inguinal catheter is in place on the right side with a contusion of the right supra-inguinal area. The external genitalia is that of male which is showing marked edema of the scrotum. Two testicles are present. The lower leg shows marked edema with marked petechial hemorrhages. Line pressure is noted transversely on the abdomen. There is a puncture wound below the umbilicus. Puncture wounds are noted on the left antecubital fossae and on the right antecubital fossae and on the left ribs. The back of the body shows minimal livor mortis and livor mortis is full.

### INTERNAL EXAMINATION:

The body is opened by the usual Y shaped incision. The blood and bloody fluid is extruding out of the incisional wound by pressure. The pleural cavities reveals excess amber colored fluid as well as the pericardium shows excess colored fluid.

### HEAD AND NECK:

The scalp is reflected and there is marked subgaleal hemorrhage on the right frontal and right temporal area. The skull bones show a linear fracture which is extending from

PAGE TWO

the right temporal area backward. The middle meningeal artery is transected on the right side, however no remarkable epidural hemorrhage is noted. There is subdural hemorrhage, minimal and subarachnoid hemorrhage, minimal, however there is marked contusions on the left and right occipital areas as well as posterior aspect of the cerebellum. These contusions and cerebral and cerebellar abrasions are counter coup to the impact on the right face. The back of the neck shows areas of hemorrhage and atlanto-occipital dislocation.

The brain weighs 1300 grams and shows contusions in the back of the brain. The rest of the brain shows flattening of the gyri and prominence of the white matter is not remarkable.

#### **CARDIOVASCULAR SYSTEM:**

The heart weighs 70 grams and shows petechial hemorrhages on the surface as well as on the endocardium. The cross sections of the endocardium shows no remarkable changes, however the lumen of the left ventricle is dilated. Valvular structures are not remarkable. The coronary distribution is normal. The major vessels are in their anatomical positions.

#### **RESPIRATORY SYSTEM:**

The tracheobronchial tree is patent. The left lung weighs 120 grams and the right lung weighs 120 grams. The cross sections of the lungs shows no remarkable changes. Focal atelectasis is noted in both lungs.

#### **DIGESTIVE SYSTEM:**

The esophagus is intact and the stomach contains an estimated 150 to 200 cc of undigested food particles. The rest of the intestinal tract shows no perforation, however the serosa shows edema and the mesentery shows a laceration which is the site of bleeding in the abdominal cavity.

#### **HEPATOBIILIARY SYSTEM:**

The liver shows areas of laceration, abrasion of the junction to the diaphragm. The diaphragm shows areas of hemorrhage in both sides. The liver weighs 470 grams. The cross section shows some pallor. The gallbladder is of normal size containing fluid bile and biliary system patent.

PAGE THREE

**PANCREAS:**

This organ is of normal size, shape and consistency.

**HEMOLYMPHATIC SYSTEM:**

The spleen weighs 30 grams and shows no remarkable gross changes.

**URINARY SYSTEM:**

The left and right kidneys are equal in size. Both show some pallor of the cortices. The ureter is patent into the bladder which is empty. There is some peri renal hemorrhage on both kidneys.

**ENDOCRINE SYSTEM:**

The pituitary, left and right lobes of thyroid and left and right adrenal glands are not remarkable.

**MUSCULOSKELETAL SYSTEM:**

There is marked hemorrhage with fracture of the T-12, L-1 with para vertebral hemorrhages on the back of the posterior aspect. The atlanto-occipital dislocation with hemorrhage is in the peri-vertebral area noted.

**LABORATORY DATA:**

All available samples are submitted for toxicology.

**ANATOMICAL FINDINGS:**

1. Fractured skull.
2. Sub-pleural and sub-arachnoid hemorrhage.
3. Counter coup contusions in the back of the brain.
4. Inter-abdominal hemorrhage.
5. Laceration of the mesentery.
6. Lacerations of the liver.
7. Massive petechial hemorrhages on both legs.
8. Pressure marks on the abdomen.



ERIE COUNTY MEDICAL EXAMINER'S OFFICE  
FORENSIC TOXICOLOGY LABORATORY

Street

Telephone: [REDACTED]

PATIENTS NAME: [REDACTED]

SERIAL# [REDACTED]

REQUESTED BY: Medical Examiner

DATE: [REDACTED]-94

INSTITUTION: [REDACTED] County Medical Examiner's Office

MATERIAL FOR EXAMINATION: Blood, liver, bile, gastric

ANALYSIS REQUESTED: , Toxicological Examination

RESULTS:

Blood: Brompheniramine - none detected

Alcohols, barbiturates, meprobamate, diazepam, salicylates, ethchlorvynol, carbon monoxide, cocaine and opiates - none detected.

Liver: Brompheniramine - present, < 0.2 mcg/gram

Other alkaline extractable drugs - none detected.

Gastric Contents: Brompheniramine - present, < 1.0 mg  
(165.8 g received)

DATE COMPLETED: [REDACTED] 1994

[REDACTED], Ph.D.  
Chief County Toxicologist

Case [REDACTED] - 94

PAGE FOUR

**CAUSE OF DEATH:** Cerebral contusion and lacerations due  
to fractured skull.

[REDACTED]-----M.D.  
[REDACTED], M.D.  
Associate Chief Medical Examiner



County of [REDACTED]

COUNTY EXECUTIVE

DEPARTMENT OF HEALTH

[REDACTED] M.D.  
COMMISSIONER OF HEALTH

[REDACTED] M.D.  
CHIEF MEDICAL EXAMINER

AUTOPSY CERTIFICATION

DATE: [REDACTED]/94

FROM: [REDACTED] County Medical Examiners Office

RE: Autopsy report for case # [REDACTED]-94  
Name of deceased [REDACTED]

STATE OF [REDACTED], County of [REDACTED]  
Chief Medical Examiner of said county, do  
hereby certify that I have compared the  
annexed copy with the original autopsy  
report filed in my office, and that the same is a  
correct transcript therefrom and of the whole  
said original.

WITNESSED my hand this [REDACTED] day of [REDACTED] 1994

[REDACTED]  
Chief Medical Examiner

M.D.

[REDACTED] STREET

MEDICAL EXAMINER FAX # [REDACTED]

PHONE: [REDACTED]

## PATHOLOGICAL EXAMINATION

Case [REDACTED] - 94

Male - White - 6 years

Autopsy performed by [REDACTED] Associate  
Chief Medical Examiner at the [REDACTED] County Medical Examiners  
Office on [REDACTED], 1994.

The autopsy is requested by [REDACTED],  
Associate Chief Medical Examiner.

### EXTERNAL EXAMINATION:

The body is that of a well developed, well nourished, 6 year old white male measuring 47 inches in length and weighing 51 lbs. Rigor mortis and lividity are developed in the back of the neck, trunk, the upper and lower extremities. The head is normal in size and the scalp is covered by a large amount of medium to long brown hair. The anterior hairline is not remarkable. The pupils of the blue eyes are central, equal, circular and each measures 0.8 cm in diameter. The sclera is white and the conjunctivae are pale. There is evidence of injuries to be described later. The external nares and both nostrils are not remarkable. The skin of the earlobes, face and lips is pale. The oral cavity contains an endotracheal tube. The upper and lower jaw show natural teeth. The leg is long and thin.

The chest is symmetrical. The abdomen is soft and flat. The penis is circumcised. Both testicles are present in the scrotum. The bilateral inguinal area demonstrates hospital IV puncture mark. The upper extremities are symmetrical. The bilateral forearms also demonstrates hospital IV puncture mark. The fingernails are not remarkable. The nailbeds are pale. The lower extremities are symmetrical.

### EVIDENCE OF EXTERNAL INJURIES:

The left side of the forehead demonstrates abrasions. The right side of the chin demonstrates abrasion. The abdomen demonstrates a band like abrasion measuring 2 inches in width. The right flank demonstrates diffuse bruise. The back demonstrates impact containing a large amount of blood. The vertebral bone (T3 and T4) are fractured.

PAGE TWO

**EVIDENCE OF ABDOMINAL INJURIES:**

The abdominal cavity contains approximately 500 cc of blood, which is associated with laceration of the mesentery, aorta, left external iliac vein and complete transection of the lumbar vertebral bone (between T3 and T4). The chest cavities and pericardial sac are not remarkable.

**CARDIOVASCULAR SYSTEM:**

The heart weighs 70 grams. On sectioning, the cut surfaces are pale brown, smooth and the consistency is rubbery. There is no congenital abnormalities. The abdominal aorta near the bifurcation and the left external iliac vein are lacerated.

**RESPIRATORY SYSTEM:**

Both lungs weigh together 250 grams. On sectioning, the cut surfaces show foci of hemorrhage. The mucosa of the bronchi, bronchioles and trachea is covered by a small amount of mucoid material. The pulmonary arteries are fully patent.

**GASTROINTESTINAL TRACT:**

The esophagus is intact and the stomach contains a large amount of partly digested food particles. The mucosa of the stomach is not remarkable. The small and large intestines are not remarkable.

**LIVER:**

The liver weighs 650 grams. The external surface is brown, smooth and shiny. The anterior margin is sharp. On sectioning, the cut surface is brown, smooth and the consistency is rubbery. The gallbladder contains a small amount of bile.

**SPLEEN:**

The spleen weighs 70 grams. The external surface and cut surface are not remarkable.

**PANCREAS:**

The organ is not remarkable.

PAGE THREE

**GENITOURINARY SYSTEM:**

Each kidney weighs 45 grams. They are covered by thin fibrous capsules which are stripped away easily leaving a pale brown, smooth, cortical surfaces. On sectioning, the left kidney demonstrates focal hemorrhage. Elsewhere the cut surfaces are pale brown, smooth and the consistency is rubbery. The urinary bladder and ureters are not remarkable.

**NECK ORGANS:**

The larynx, pharynx, hyoid bone and neck muscles are not remarkable.

**ENDOCRINE SYSTEM:**

The adrenal gland, pituitary gland and thyroid gland are not remarkable.

**MUSCULOSKELETAL SYSTEM:**

There is no abnormality.

**HEAD:**

The scalp is reflected and shows hemorrhage on the front part of the head and left side of the head. On opening the skull, there is a small amount of subdural hemorrhage. The brain weighs 1500 grams. The cerebral hemispheres are symmetrical. The cerebral arteries are not remarkable. There is a prominent pressure cone on the cerebellum. On sectioning of the cut surfaces, they are pale, smooth and show well defined corticomedullary junctions. The lateral ventricles contain a small amount of blood tinged cerebro spinal fluid. On sectioning of the pons, medulla, cerebellum and upper one third of the spinal cord, they are not remarkable. The lumbar spinal cord demonstrates hemorrhage.

**AUTOPSY FINDINGS:**

1. Laceration of the:
  - a. Aorta.
  - b. Left external iliac veins.
  - c. Mesentery.
2. Transsection of the lumbar vertebral bone (Between L3 and L4).
3. Contusion of the lung and intestines.
4. Subdural hemorrhage.
5. Cerebral edema.



**COUNTY MEDICAL EXAMINER'S OFFICE  
FORENSIC TOXICOLOGY LABORATORY**

Street

Telephone:

PATIENTS NAME:

SERIAL#:

-94

REQUESTED BY: Medical Examiner

DATE: -94

INSTITUTION: County Medical Examiner's Office

MATERIAL FOR EXAMINATION: Blood, liver, brain, gastric, vitreous humor

ANALYSIS REQUESTED: Toxicological Examination

---

**RESULTS:**

Blood: Brompheniramine - present, < 0.1 mcg/ml

Alcohols, barbiturates, meprobamate, diazepam, salicylates, ethchlorvynol, carbon monoxide, cocaine and opiates - none detected.

Liver: Brompheniramine - present, < 0.2 mcg/gram

Other alkaline extractable drugs - none detected.

Gastric Contents: Brompheniramine - present, < 1.0 mg  
(150 g received)

DATE COMPLETED: 1994

  
Ph.D.  
Chief County Toxicologist

Case [REDACTED] - 94

PAGE FOUR

CAUSE OF DEATH: Multiple injuries.

TOXICOLOGY:

Blood, liver, brain and gastric contents.

OPINION: This 6 year old white male, [REDACTED], died of multiple injuries sustained in a traffic accident in which he was a passenger in a car involved in collision. The manner of death was classified as an accident.

[REDACTED] M.D.  
[REDACTED] M.D.  
Associate Chief Medical Examiner

NOTE: Toxicology tests will be sent upon completion.



County of [REDACTED]

COUNTY EXECUTIVE

DEPARTMENT OF HEALTH

[REDACTED] M.D.  
COMMISSIONER OF HEALTH

[REDACTED] M.D.  
CHIEF MEDICAL EXAMINER

AUTOPSY CERTIFICATION

DATE: [REDACTED]/94

FROM: [REDACTED] County Medical Examiners Office

RE: Autopsy report for case # [REDACTED] 94  
Name of deceased [REDACTED]

STATE OF [REDACTED] County of [REDACTED]  
Chief Medical Examiner of said county, do  
hereby certify that I have compared the  
annexed copy with the original autopsy  
report filed in my office, and that the same is a  
correct transcript therefrom and of the whole  
said original.

WITNESSED my hand this [REDACTED] day of [REDACTED] 1994

[REDACTED]  
Chief Medical Examiner

M.D.

## PATHOLOGICAL EXAMINATION

Case [REDACTED] - 94

Male - White - 8 years

Autopsy performed by Dr. [REDACTED], Chief Medical Examiner at the [REDACTED] County Medical Examiners Office on [REDACTED] 1994 at 11:07 AM.

The autopsy is requested by Dr. [REDACTED] Associate Chief Medical Examiner.

### EXTERNAL EXAMINATION:

The body is that of a well nourished, and well developed, male white child, body length 50 inches and scale weight of 53 lbs. The head hair is brown and is blood stained. The head is normocephalic. There is a laceration measuring about 1 1/4 inches in length in the right frontal area. The right side of the forehead is flattened and two lacerations, one measuring about 1/2 of an inch in length and one measuring about 1/8 of an inch are present on the right side of the forehead. There is contusion of the right upper arm. The irides are blue and the pupils are round and equal. There is hemorrhage with fracture of the vault of the skull and they are palpated. The external auditory meati are not remarkable. A small amount of clotted blood is present in the nostrils. The teeth are natural and in good repair. The anterior neck is symmetrical and no masses are palpated. The anterior chest is symmetrical. The abdomen is scaphoid and pubic hair is absent. The foreskin appears short. Contusions are present in the right upper quadrant of the anterior abdominal wall and in the left groin. The lower end of the left femur is fractured and the left lower extremity is externally rotated. Small laceration measuring about 1/4 of an inch in length and a smaller abrasion is present on the anterior surface of the left knee. Contusions are present on the right lower leg, the right knee and the lower aspect of the left ankle. Rigor mortis is fully developed and livor mortis is posterior. The back is not remarkable. A laceration measuring about 3/4 of an inch in length is present over the proximal phalanx of the left index finger.

PAGE TWO

**HEAD:**

The scalp is reflected and shows considerable hemorrhage. There is a comminuted fracture of the vault in the base of the skull. The dura matter is lacerated. Epidural and subdural hemorrhages are present. The brain weighs 1525 grams. The right frontal lobe is severely lacerated. Serial sections show hemorrhages into the areas of laceration as well as into the ventricular system. No areas of tumor or softening are seen.

**NECK ORGANS:**

The neck is carefully dissected and does not show any evidence of recent trauma. The hyoid bone and laryngeal cartilages are intact. The thyroid gland and larynx are not remarkable.

**INTERNAL EXAMINATION:**

The body is opened through the usual Y shaped trunk incision and the panniculus measures about 1.0 cm in thickness in the anterior abdominal wall. The rib cage and diaphragm are intact. The organs are in their normal positions.

**BODY CAVITIES:**

The pleural and pericardial cavities are not remarkable. The peritoneal cavity contains a small amount of fluid blood.

**CARDIOVASCULAR SYSTEM:**

The heart weighs 150 grams. The valves are free from disease and the coronary arteries are not remarkable. The myocardium is purplish brown in color and firm in consistency and does not show any areas of infarction. The epicardium and endocardium are smooth and the coronary ostia are patent. The main arteries and veins are not remarkable. No congenital abnormalities are present.

PAGE THREE

**RESPIRATORY SYSTEM:**

The trachea is patent and contains fluid blood. The left lung weighs 175 grams and the right weighs 200 grams. Areas of contusion are present on the outer surfaces of both lungs. The sectioned surfaces show hemorrhage in the bronchial tree and into the contusions. The pulmonary vessels are not remarkable.

**GASTROINTESTINAL TRACT:**

The esophagus is not remarkable. The stomach contains an estimated 250 cc of well masticated food in which french fries are identified. The mucous membrane and walls are not remarkable. The small and large intestines and rectum are not remarkable. The appendix is present and healthy.

**LIVER:**

The liver weighs 700 grams. The outer surface is smooth and the sectioned surfaces are not remarkable. The gallbladder contains an estimated 5.0 cc of thin green bile in which no stones are present. The mucous membrane and walls are not remarkable.

**PANCREAS:**

The tail of the pancreas is surrounded by retro-peritoneal hemorrhage.

**SPLEEN:**

The spleen weighs 100 grams. It is severely lacerated.

**GENITOURINARY SYSTEM:**

The kidneys weigh 75 grams each. The capsules strip easily and the outer surfaces are smooth and show fetal lobulation. The sectioned surfaces are not remarkable. The left adrenal is partially surrounded by retroperitoneal hemorrhage. The right adrenal and the ureters are not remarkable. The urinary bladder contains an estimated 25 cc of clear yellow urine. The mucous membrane and walls are not remarkable. The prostate gland is also not remarkable.

**COUNTY MEDICAL EXAMINER'S OFFICE  
FORENSIC TOXICOLOGY LABORATORY**

Street

Telephone:

PATIENTS NAME:

SERIAL#

-94

REQUESTED BY: Medical Examiner

DATE: -94

INSTITUTION: County Medical Examiner's Office

MATERIAL FOR EXAMINATION: Blood

ANALYSIS REQUESTED: Toxicological Examination

---

**RESULTS:**

Blood: Caffeine - present

Alcohols, barbiturates, meprobamate, diazepam, salicylates,  
ethchlorvynol, carbon monoxide, cocaine and opiates - none  
detected.

DATE COMPLETED: 1994

Chief County Toxicologist



Case [REDACTED] - 94

PAGE FOUR

**ANATOMICAL DIAGNOSIS:**

1. Fractured skull.
2. Fractured extremities.
3. Lacerations of brain and spleen.
4. Subdural and epidural hemorrhages in the peritoneum.

**CAUSE OF DEATH:** Laceration of brain due to fractured skull.

A blood sample is sent for toxicology.

[REDACTED] M.D.  
Chief Medical Examiner

NOTE: Toxicology results will be forwarded upon completion.